

# SIEMENS



## **Desigo™ V6.0 BACnet Protocol Implementation Conformance Statement (PICS) Basic documentation**

CM110665en\_10  
2015-07-31

**Building Technologies**

1/125

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# 1 Desigo PX Automation Station

<b>Date</b>	:
<b>Vendor name</b>	: Siemens Building Technologies (Vendor ID 7)
<b>Product name</b>	: Desigo PX automation station
<b>Product model number</b>	: PX... (see table below)
<b>BACnet protocol version</b>	: 1.12
<b>Application software version</b>	–
<b>Firmware revision</b>	: FW=V6

## 1.1 Product model number

The Desigo PX automation station is a range of products based on the same software. The PICS are the same for all products listed below. The simultaneously supported Data Link Layers of a product are different and also listed.

<b>Product</b>	<b>Description</b>	<b>Data Link Layer</b>
PXC00.D	Modular automation station	LON
PXC00-E.D	Modular automation station	IP
PXC50.D	Modular automation station	LON
PXC50-E.D	Modular automation station	IP
PXC100.D	Modular automation station	LON
PXC100-E.D	Modular automation station	IP
PXC200.D	Modular automation station	LON
PXC200-E.D	Modular automation station	IP
PXC12.D	Compact automation station	LON
PXC12-E.D	Compact automation station	IP
PXC12-T.D	Compact automation station	LON, PTP
PXC22.D	Compact automation station	LON
PXC22-E.D	Compact automation station	IP
PXC22-T.D	Compact automation station	LON, PTP
PXC36.D	Compact automation station	LON
PXC36-E.D	Compact automation station	IP
PXC36-T.D	Compact automation station	LON, PTP
PXC52	Compact automation station	LON
PXC-NRUF	Compact automation station	LON
PXC00-U	Modular automation station	LON/IP <sup>1)</sup> , PTP <sup>2)</sup>
PXC64-U	Modular automation station	LON/IP <sup>1)</sup> , PTP <sup>2)</sup>
PXC128-U	Modular automation station	LON/IP <sup>1)</sup> , PTP <sup>2)</sup>
PXC001.D	Compact automation station	LON
PXC001-E.D	Compact automation station	IP

<sup>1)</sup> Only LON or IP possible; depends on configuration and extension modules.

<sup>2)</sup> Additional PTP for half-router function possible; depends on configuration and extension modules.

## 1.2 Product description

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The Desigo PXC is a freely configurable process unit with focus on HVAC. The process unit as a system platform can be used in the Desigo product range as a stand-alone or network device with BACnet communication.

## 1.3 BACnet standardized device profile (Annex L)

<input type="checkbox"/>	BACnet Advanced Workstation	(B-AWS)
<input type="checkbox"/>	BACnet Operator Workstation	(B-OWS)
<input type="checkbox"/>	BACnet Operator Display	(B-OD)
<input checked="" type="checkbox"/>	BACnet Building Controller	(B-BC)
<input type="checkbox"/>	BACnet Advanced Application Controller	(B-AAC)
<input type="checkbox"/>	BACnet Application Specific Controller	(B-ASC)
<input type="checkbox"/>	BACnet Smart Sensor	(B-SS)
<input type="checkbox"/>	BACnet Smart Actuator	(B-SA)

## 1.4 BACnet interoperability building blocks supported (Annex K)

### Data sharing

<input checked="" type="checkbox"/>	Data Sharing – Read Property-A	DS-RP-A
<input checked="" type="checkbox"/>	Data Sharing – Read Property-B	DS-RP-B
<input checked="" type="checkbox"/>	Data Sharing – Read Property Multiple-A	DS-RPM-A
<input checked="" type="checkbox"/>	Data Sharing – Read Property Multiple-B	DS-RPM-B
<input checked="" type="checkbox"/>	Data Sharing – Write Property-A	DS-WP-A
<input checked="" type="checkbox"/>	Data Sharing – Write Property-B	DS-WP-B
<input type="checkbox"/>	Data Sharing – Write Property Multiple-A	DS-WPM-A
<input checked="" type="checkbox"/>	Data Sharing – Write Property Multiple-B	DS-WPM-B
<input checked="" type="checkbox"/>	Data Sharing – Change of Value -A	DS-COV-A
<input checked="" type="checkbox"/>	Data Sharing – Change of Value -B	DS-COV-B
<input checked="" type="checkbox"/>	Data Sharing – Change of Value Property -A	DS-COVP-A
<input checked="" type="checkbox"/>	Data Sharing – Change of Value Property -B	DS-COVP-B
<input type="checkbox"/>	Data Sharing – Change of Value-Unsolicited-A	DS-COVU-A
<input type="checkbox"/>	Data Sharing – Change of Value-Unsolicited-B	DS-COVU-B
<input type="checkbox"/>	Data Sharing – View-A	DS-V-A
<input type="checkbox"/>	Data Sharing – Advanced View-A	DS-AV-A
<input type="checkbox"/>	Data Sharing – Modify-A	DS-M-A
<input type="checkbox"/>	Data Sharing – Advanced Modify-A	DS-AM-A

### Alarm and event management

<input type="checkbox"/>	Alarm and Event – Notification-A	AE-N-A
<input checked="" type="checkbox"/>	Alarm and Event – Notification Internal-B	AE-N-I-B
<input checked="" type="checkbox"/>	Alarm and Event – Notification External-B	AE-N-E-B
<input type="checkbox"/>	Alarm and Event – ACK-A	AE-ACK-A
<input checked="" type="checkbox"/>	Alarm and Event – ACK-B	AE-ACK-B
<input checked="" type="checkbox"/>	Alarm and Event – Alarm Summary-B	AE-ASUM-B
<input checked="" type="checkbox"/>	Alarm and Event – Enrollment Summary-B	AE-ESUM-B
<input checked="" type="checkbox"/>	Alarm and Event – Information-B	AE-INFO-B
<input type="checkbox"/>	Alarm and Event – Life Safety-A	AE-LS-A
<input type="checkbox"/>	Alarm and Event – Life Safety-B	AE-LS-B
<input type="checkbox"/>	Alarm and Event – View Notifications-A	AE-VN-A
<input type="checkbox"/>	Alarm and Event – Advanced View Notifications-A	AE-AVN-A
<input type="checkbox"/>	Alarm and Event – View and Modify-A	AE-VM-A
<input type="checkbox"/>	Alarm and Event – Advanced View and Modify-A	AE-AVM-A
<input type="checkbox"/>	Alarm and Event – Alarm Summary View-A	AE-AS-A
<input type="checkbox"/>	Alarm and Event – Event Log View-A	AE-ELV-A
<input type="checkbox"/>	Alarm and Event – Event Log View and Modify-A	AE-ELVM-A
<input checked="" type="checkbox"/>	Alarm and Event – Event Log Internal-B	AE-EL-I-B
<input checked="" type="checkbox"/>	Alarm and Event – Event Log External-B	AE-EL-E-B

**Alarm and event management**

**Historical/Deprecated BIBBs**

<input type="checkbox"/>	Alarm and Event – Alarm Summary-A	AE-ASUM-A
<input type="checkbox"/>	Alarm and Event – Enrollment Summary-A	AE-ESUM-A
<input type="checkbox"/>	Alarm and Event – Information-A	AE-INFO-A

**Scheduling**

<input checked="" type="checkbox"/>	Scheduling – Internal-B	SCHEDE-I-B
<input checked="" type="checkbox"/>	Scheduling – External-B	SCHEDE-E-B
<input type="checkbox"/>	Scheduling – Advanced View Modify-A	SCHEDE-AVM-A
<input type="checkbox"/>	Scheduling – View Modify-A	SCHEDE-VM-A
<input type="checkbox"/>	Scheduling – Weekly Schedule-A	SCHEDE-WS-A
<input type="checkbox"/>	Scheduling – Weekly Schedule Internal-B	SCHEDE-WS-I-B
<input type="checkbox"/>	Scheduling – Readable-B	SCHEDE-R-B

**Historical/Deprecated BIBBs**

<input type="checkbox"/>	Scheduling – A	SCHEDE-A
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**Trending**

<input type="checkbox"/>	Trending – Viewing and Modifying Trends-A	T-VMT-A
<input checked="" type="checkbox"/>	Trending – Viewing and Modifying Internal-B	T-VMT-I-B
<input checked="" type="checkbox"/>	Trending – Viewing and Modifying External-B	T-VMT-E-B
<input type="checkbox"/>	Trending – Viewing and Modifying Multiple Values-A	T-VMMV-A
<input checked="" type="checkbox"/>	Trending – Viewing and Modifying Multiple Values Internal-B	T-VMMV-I-B
<input checked="" type="checkbox"/>	Trending – Viewing and Modifying Multiple Values External -B	T-VMMV-E-B
<input type="checkbox"/>	Trending – Automated Multiple Value Retrieval-A	T-AMVR-A
<input checked="" type="checkbox"/>	Trending – Automated Multiple Value Retrieval-B	T-AMVR-B
<input type="checkbox"/>	Trending – View-A	T-V-A
<input type="checkbox"/>	Trending – Advanced View and Modify-A	T-AVM-A
<input type="checkbox"/>	Trending – Archival-A	T-A-A
<input type="checkbox"/>	Trending – Automated Trend Retrieval-A	T-ATR-A
<input checked="" type="checkbox"/>	Trending – Automated Trend Retrieval-B	T-ATR-B

**Historical/Deprecated BIBBs**

<input type="checkbox"/>	Trending – Viewing and Modifying Trends-A	T-VMT-A
<input type="checkbox"/>	Trending – Viewing and Modifying Multiple Values-A	T-VMMV-A

**Device management**

<input checked="" type="checkbox"/>	Device Management – Dynamic Device Binding-A	DM-DDB-A
<input checked="" type="checkbox"/>	Device Management – Dynamic Device Binding-B	DM-DDB-B
<input checked="" type="checkbox"/>	Device Management – Dynamic Object Binding-A	DM-DOB-A
<input checked="" type="checkbox"/>	Device Management – Dynamic Object Binding-B	DM-DOB-B
<input type="checkbox"/>	Device Management – Device Communication Control-A	DM-DCC-A
<input checked="" type="checkbox"/>	Device Management – Device Communication Control-B	DM-DCC-B
<input type="checkbox"/>	Device Management – Text Message-A	DM-TM-A
<input type="checkbox"/>	Device Management – Text Message-B	DM-TM-B
<input checked="" type="checkbox"/>	Device Management – Time Synchronization-A	DM-TS-A
<input checked="" type="checkbox"/>	Device Management – Time Synchronization-B	DM-TS-B
<input checked="" type="checkbox"/>	Device Management – UTC Time Synchronization-A	DM-UTC-A
<input checked="" type="checkbox"/>	Device Management – UTC Time Synchronization-B	DM-UTC-B

**Device management**

<input type="checkbox"/>	Device Management – Reinitialize Device-A	DM-RD-A
<input checked="" type="checkbox"/>	Device Management – Reinitialize Device-B	DM-RD-B
<input type="checkbox"/>	Device Management – Backup and Restore-A	DM-BR-A
<input checked="" type="checkbox"/>	Device Management – Backup and Restore-B	DM-BR-B
<input type="checkbox"/>	Device Management – Restart-A	DM-R-A
<input checked="" type="checkbox"/>	Device Management – Restart-B	DM-R-B
<input type="checkbox"/>	Device Management – List Manipulation-A	DM-LM-A
<input checked="" type="checkbox"/>	Device Management – List Manipulation-B	DM-LM-B
<input type="checkbox"/>	Device Management – Object Creation and Deletion-A	DM-OCD-A
<input checked="" type="checkbox"/>	Device Management – Object Creation and Deletion-B	DM-OCD-B
<input type="checkbox"/>	Device Management – Virtual Terminal-A	DM-VT-A
<input type="checkbox"/>	Device Management – Virtual Terminal-B	DM-VT-B
<input type="checkbox"/>	Device Management – Automatic Network Mapping-A	DM-ANM-A
<input type="checkbox"/>	Device Management – Automatic Device Mapping-A	DM-ADM-A
<input type="checkbox"/>	Device Management – Automatic Time Synchronization-A	DM-ATS-A
<input type="checkbox"/>	Device Management – Manual Time Synchronization-A	DM-MTS-A

**Historical/Deprecated BIBBs**

<input checked="" type="checkbox"/>	Device Management – Private Transfer-A	DM-PT-A
<input checked="" type="checkbox"/>	Device Management – Private Transfer-B	DM-PT-B

**Network management**

<input checked="" type="checkbox"/>	Network Management – Connection Establishment-A	NM-CE-A <sup>1)</sup>
<input checked="" type="checkbox"/>	Network Management – Connection Establishment-B	NM-CE-B <sup>2)</sup>
<input type="checkbox"/>	Network Management – Router Configuration-A	NM-RC-A
<input type="checkbox"/>	Network Management – Router Configuration-B	NM-RC-B

<sup>1)</sup> establish connection only

<sup>2)</sup> if product supports PTP

## 1.5 Standard object types supported

Object type	Supported	Can be created dynamically	Can be deleted dynamically
Analog Input	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analog Output	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analog Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Binary Input	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Binary Output	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Binary Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Calendar	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Command	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Device	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Event Enrollment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
File	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Group	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Loop	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi-State Input	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi-State Output	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Notification Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Program	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Schedule	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Averaging	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi-State Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trend Log	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Life-Safety-Point	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Life-Safety-Zone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Accumulator	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pulse-Converter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Event Log	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Global Group	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trend Log Multiple	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Load Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Structured-View	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Door	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(unassigned)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Credential	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Point	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Rights	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access User	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Zone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Credential Data Input	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Network Security	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bitstring Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Characterstring Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Object type	Supported	Can be created dynamically	Can be deleted dynamically
Date Pattern Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Date Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Datetime Pattern Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Datetime Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Integer Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Large Analog Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Octetstring Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Positive Integer Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Time Pattern Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Time Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## Details

Notes on the specification of the following object types:

Writable properties are read only if they are under program control.

Variants of object types (different set of properties) are possible in the case of value objects (e.g. Analog Value). The variants are distinguished by the object tag. The object tag is listed as additional information in the EDE file.

### Analog Input

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
Present_Value	<input checked="" type="checkbox"/>	R	
Description	<input checked="" type="checkbox"/>	W	
Device_Type	<input checked="" type="checkbox"/>	R	
Status_Flags	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	R	
Out_Of_Service	<input checked="" type="checkbox"/>	W	
Update_Interval	<input checked="" type="checkbox"/>	R	
Units	<input checked="" type="checkbox"/>	R	
Min_Pres_Value	<input checked="" type="checkbox"/>	R	
Max_Pres_Value	<input checked="" type="checkbox"/>	R	
Resolution	<input checked="" type="checkbox"/>	R	
COV_Increment	<input checked="" type="checkbox"/>	W	0.000001...3.402822e+038
Time_Delay	<input checked="" type="checkbox"/>	W	0...65535
Notification_Class	<input checked="" type="checkbox"/>	W	
High_Limit	<input checked="" type="checkbox"/>	W	
Low_Limit	<input checked="" type="checkbox"/>	W	
Deadband	<input checked="" type="checkbox"/>	W	0...maxReal
Limit_Enable	<input checked="" type="checkbox"/>	W	
Event_Enable	<input checked="" type="checkbox"/>	W	
Acked_Transitions	<input checked="" type="checkbox"/>	R	
Notify_Type	<input checked="" type="checkbox"/>	W	
Event_Time_Stamps	<input checked="" type="checkbox"/>	R	
Profile_Name	<input checked="" type="checkbox"/>	R	
Event_Message_Texts	<input checked="" type="checkbox"/>	R	

## Analog Output

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
Present_Value	<input checked="" type="checkbox"/>	W	
Description	<input checked="" type="checkbox"/>	W	
Device_Type	<input checked="" type="checkbox"/>	R	
Status_Flags	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	R	
Out_Of_Service	<input checked="" type="checkbox"/>	W	
Units	<input checked="" type="checkbox"/>	R	
Min_Pres_Value	<input checked="" type="checkbox"/>	R	
Max_Pres_Value	<input checked="" type="checkbox"/>	R	
Resolution	<input checked="" type="checkbox"/>	R	
Priority_Array	<input checked="" type="checkbox"/>	R	
Relinquish_Default	<input checked="" type="checkbox"/>	W	
COV_Increment	<input checked="" type="checkbox"/>	W	0.000001...3.402822e+038
Time_Delay	<input checked="" type="checkbox"/>	W	0...65535
Notification_Class	<input checked="" type="checkbox"/>	W	
High_Limit	<input checked="" type="checkbox"/>	W	
Low_Limit	<input checked="" type="checkbox"/>	W	
Deadband	<input checked="" type="checkbox"/>	W	0...maxReal
Limit_Enable	<input checked="" type="checkbox"/>	W	
Event_Enable	<input checked="" type="checkbox"/>	W	
Acked_Transitions	<input checked="" type="checkbox"/>	R	
Notify_Type	<input checked="" type="checkbox"/>	W	
Event_Time_Stamps	<input checked="" type="checkbox"/>	R	
Profile_Name	<input checked="" type="checkbox"/>	R	
Event_Message_Texts	<input checked="" type="checkbox"/>	R	

## Analog Value

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
Present_Value	<input checked="" type="checkbox"/>	W	
Description	<input checked="" type="checkbox"/>	W	
Status_Flags	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	R	
Out_Of_Service	<input checked="" type="checkbox"/>	W	
Units	<input checked="" type="checkbox"/>	R	
Priority_Array	<input checked="" type="checkbox"/>	R	
Relinquish_Default	<input checked="" type="checkbox"/>	W	
COV_Increment	<input checked="" type="checkbox"/>	W	0.000001...3.402822e+038
Time_Delay	<input checked="" type="checkbox"/>	W	0...65535
Notification_Class	<input checked="" type="checkbox"/>	W	
High_Limit	<input checked="" type="checkbox"/>	W	
Low_Limit	<input checked="" type="checkbox"/>	W	
Deadband	<input checked="" type="checkbox"/>	W	0...maxReal
Limit_Enable	<input checked="" type="checkbox"/>	W	
Event_Enable	<input checked="" type="checkbox"/>	W	
Acked_Transitions	<input checked="" type="checkbox"/>	R	
Notify_Type	<input checked="" type="checkbox"/>	W	
Event_Time_Stamps	<input checked="" type="checkbox"/>	R	
Profile_Name	<input checked="" type="checkbox"/>	R	
Event_Message_Texts	<input checked="" type="checkbox"/>	R	

## Binary Input

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
Present_Value	<input checked="" type="checkbox"/>	R	
Description	<input checked="" type="checkbox"/>	W	
Device_Type	<input checked="" type="checkbox"/>	R	
Status_Flags	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	R	
Out_Of_Service	<input checked="" type="checkbox"/>	W	
Polarity	<input checked="" type="checkbox"/>	W	
Inactive_Text	<input checked="" type="checkbox"/>	R	
Active_Text	<input checked="" type="checkbox"/>	R	
Change_Of_State_Time	<input checked="" type="checkbox"/>	R	
Change_Of_State_Count	<input checked="" type="checkbox"/>	W	
Time_Of_State_Count_Reset	<input checked="" type="checkbox"/>	R	
Elapsed_Active_Time	<input checked="" type="checkbox"/>	W	
Time_Of_Active_Time_Reset	<input checked="" type="checkbox"/>	R	
Time_Delay	<input checked="" type="checkbox"/>	W	0...65535
Notification_Class	<input checked="" type="checkbox"/>	W	
Alarm_Value	<input checked="" type="checkbox"/>	W	
Event_Enable	<input checked="" type="checkbox"/>	W	
Acked_Transitions	<input checked="" type="checkbox"/>	R	
Notify_Type	<input checked="" type="checkbox"/>	W	
Event_Time_Stamps	<input checked="" type="checkbox"/>	R	
Profile_Name	<input checked="" type="checkbox"/>	R	
Event_Message_Texts	<input checked="" type="checkbox"/>	R	

Binary Output

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
Present_Value	<input checked="" type="checkbox"/>	W	
Description	<input checked="" type="checkbox"/>	W	
Device_Type	<input checked="" type="checkbox"/>	R	
Status_Flags	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	R	
Out_Of_Service	<input checked="" type="checkbox"/>	W	
Polarity	<input checked="" type="checkbox"/>	W	
Inactive_Text	<input checked="" type="checkbox"/>	R	
Active_Text	<input checked="" type="checkbox"/>	R	
Change_Of_State_Time	<input checked="" type="checkbox"/>	R	
Change_Of_State_Count	<input checked="" type="checkbox"/>	W	
Time_Of_State_Count_Reset	<input checked="" type="checkbox"/>	R	
Elapsed_Active_Time	<input checked="" type="checkbox"/>	W	
Time_Of_Active_Time_Reset	<input checked="" type="checkbox"/>	R	
Minimum_Off_Time	<input checked="" type="checkbox"/>	W	0...65535
Minimum_On_Time	<input checked="" type="checkbox"/>	W	0...65535
Priority_Array	<input checked="" type="checkbox"/>	R	
Relinquish_Default	<input checked="" type="checkbox"/>	W	
Time_Delay	<input checked="" type="checkbox"/>	W	0...65535
Notification_Class	<input checked="" type="checkbox"/>	W	
Feedback_Value	<input checked="" type="checkbox"/>	R	
Event_Enable	<input checked="" type="checkbox"/>	W	
Acked_Transitions	<input checked="" type="checkbox"/>	R	
Notify_Type	<input checked="" type="checkbox"/>	W	
Event_Time_Stamps	<input checked="" type="checkbox"/>	R	
Profile_Name	<input checked="" type="checkbox"/>	R	
Event_Message_Texts	<input checked="" type="checkbox"/>	R	

Binary Value

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
Present_Value	<input checked="" type="checkbox"/>	W	
Description	<input checked="" type="checkbox"/>	W	
Status_Flags	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	R	
Out_Of_Service	<input checked="" type="checkbox"/>	W	
Inactive_Text	<input checked="" type="checkbox"/>	R	
Active_Text	<input checked="" type="checkbox"/>	R	
Change_Of_State_Time	<input checked="" type="checkbox"/>	R	
Change_Of_State_Count	<input checked="" type="checkbox"/>	W	
Time_Of_State_Count_Reset	<input checked="" type="checkbox"/>	R	
Elapsed_Active_Time	<input checked="" type="checkbox"/>	W	
Time_Of_Active_Time_Reset	<input checked="" type="checkbox"/>	R	
Minimum_Off_Time	<input checked="" type="checkbox"/>	W	0...65535
Minimum_On_Time	<input checked="" type="checkbox"/>	W	0...65535
Priority_Array	<input checked="" type="checkbox"/>	R	
Relinquish_Default	<input checked="" type="checkbox"/>	W	
Time_Delay	<input checked="" type="checkbox"/>	W	0...65535
Notification_Class	<input checked="" type="checkbox"/>	W	
Alarm_Value	<input checked="" type="checkbox"/>	W	
Event_Enable	<input checked="" type="checkbox"/>	W	
Acked_Transitions	<input checked="" type="checkbox"/>	R	
Notify_Type	<input checked="" type="checkbox"/>	W	
Event_Time_Stamps	<input checked="" type="checkbox"/>	R	
Profile_Name	<input checked="" type="checkbox"/>	R	
Event_Message_Texts	<input checked="" type="checkbox"/>	R	

**Calendar**

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
Description	<input checked="" type="checkbox"/>	W	
Present_Value	<input checked="" type="checkbox"/>	R	
Date_List	<input checked="" type="checkbox"/>	W	Max. 30
Profile_Name	<input checked="" type="checkbox"/>	R	

**Command**

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
Description	<input checked="" type="checkbox"/>	W	
Present_Value	<input checked="" type="checkbox"/>	W	0...15
In_Process	<input checked="" type="checkbox"/>	R	
All_Writes_Successful	<input checked="" type="checkbox"/>	R	
Action	<input checked="" type="checkbox"/>	R	
Action_Text	<input checked="" type="checkbox"/>	R	
Profile_Name	<input checked="" type="checkbox"/>	R	



**Device**

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
System_Status	<input checked="" type="checkbox"/>	R	
Vendor_Name	<input checked="" type="checkbox"/>	R	
Vendor_Identifier	<input checked="" type="checkbox"/>	R	
Model_Name	<input checked="" type="checkbox"/>	R	
Firmware_Revision	<input checked="" type="checkbox"/>	R	
Application_Software_Version	<input checked="" type="checkbox"/>	R	
Location	<input checked="" type="checkbox"/>	R	
Description	<input checked="" type="checkbox"/>	W	
Protocol_Version	<input checked="" type="checkbox"/>	R	
Protocol_Revision	<input checked="" type="checkbox"/>	R	
Protocol_Services_Supported	<input checked="" type="checkbox"/>	R	
Protocol_Object_Types_Supported	<input checked="" type="checkbox"/>	R	
Object_List	<input checked="" type="checkbox"/>	R	
Structured_Object_List	<input checked="" type="checkbox"/>	R	
Max_APDU_Length_Accepted	<input checked="" type="checkbox"/>	R	
Segmentation_Supported	<input checked="" type="checkbox"/>	R	
Max_Segments_Accepted	<input checked="" type="checkbox"/>	R	
VT_Classes_Supported	<input type="checkbox"/>		
Active_VT_Sessions	<input type="checkbox"/>		
Local_Time	<input checked="" type="checkbox"/>	R	
Local_Date	<input checked="" type="checkbox"/>	R	
UTC_Offset	<input checked="" type="checkbox"/>	W	-780...780
Daylight_Savings_Status	<input checked="" type="checkbox"/>	R	
APDU_Segment_Timeout	<input checked="" type="checkbox"/>	R	
APDU_Timeout	<input checked="" type="checkbox"/>	R	
Number_Of_APDU_Retries	<input checked="" type="checkbox"/>	R	
List_Of_Session_Keys	<input type="checkbox"/>		
Time_Synchronization_Recipients	<input checked="" type="checkbox"/>	W	
Max_Master	<input type="checkbox"/>		
Max_Info_Frames	<input type="checkbox"/>		
Device_Address_Binding	<input checked="" type="checkbox"/>	R	
Database_Revision	<input checked="" type="checkbox"/>	R	
Configuration_Files	<input checked="" type="checkbox"/>	R	
Last_Restore_Time	<input checked="" type="checkbox"/>	R	
Backup_Failure_Timeout	<input checked="" type="checkbox"/>	W	0...65535
Backup_Preparation_Time	<input checked="" type="checkbox"/>	R	
Restore_Preparation_Time	<input checked="" type="checkbox"/>	R	
Restore_Completion_Time	<input checked="" type="checkbox"/>	R	
Backup_And_Restore_State	<input checked="" type="checkbox"/>	R	
Active_COV_Subscriptions	<input checked="" type="checkbox"/>	R	
Slave_Proxy_Enable	<input type="checkbox"/>		
Manual_Slave_Adress_Binding	<input type="checkbox"/>		

Properties	supported	Readable/ Writable	Range restrictions
Auto_Slave_Discovery	<input type="checkbox"/>		
Slave_Address_Binding	<input type="checkbox"/>		
Last_Restart_Reason	<input checked="" type="checkbox"/>	R	
Time_Of_Device_Restart	<input checked="" type="checkbox"/>	R	
Restart_Notification_Recipients	<input checked="" type="checkbox"/>	W	
UTC_Time_Synchronization_Recipients	<input checked="" type="checkbox"/>	W	
Time_Synchronization_Interval	<input checked="" type="checkbox"/>	W	
Align_Intervals	<input checked="" type="checkbox"/>	W	
Interval_Offset	<input checked="" type="checkbox"/>	W	
Profile_Name	<input checked="" type="checkbox"/>	R	

## Event Enrollment

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
Description	<input checked="" type="checkbox"/>	W	
Event_Type	<input checked="" type="checkbox"/>	R	
Notify_Type	<input checked="" type="checkbox"/>	W	
Event_Parameters	<input checked="" type="checkbox"/>	W	
Object_Property_Reference	<input checked="" type="checkbox"/>	W	
Event_State	<input checked="" type="checkbox"/>	R	
Event_Enable	<input checked="" type="checkbox"/>	W	
Acked_Transitions	<input checked="" type="checkbox"/>	R	
Notification_Class	<input checked="" type="checkbox"/>	W	
Event_Time_Stamps	<input checked="" type="checkbox"/>	R	
Profile_Name	<input checked="" type="checkbox"/>	R	
Event_Message_Texts	<input checked="" type="checkbox"/>	R	

## File

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
Description	<input checked="" type="checkbox"/>	W	
File_Type	<input checked="" type="checkbox"/>	R	
File_Size	<input checked="" type="checkbox"/>	R	
Modification_Date	<input checked="" type="checkbox"/>	R	
Archive	<input checked="" type="checkbox"/>	W	
Read_Only	<input checked="" type="checkbox"/>	R	
File_Access_Method	<input checked="" type="checkbox"/>	R	
Record_Count	<input type="checkbox"/>		
Profile_Name	<input checked="" type="checkbox"/>	R	

Loop

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
Present_Value	<input checked="" type="checkbox"/>	R	
Description	<input checked="" type="checkbox"/>	W	
Status_Flags	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	R	
Out_Of_Service	<input checked="" type="checkbox"/>	W	
Update_Interval	<input checked="" type="checkbox"/>	R	
Output_Units	<input checked="" type="checkbox"/>	R	
Manipulated_Variable_Reference	<input checked="" type="checkbox"/>	R	
Controlled_Variable_Reference	<input checked="" type="checkbox"/>	R	
Controlled_Variable_Value	<input checked="" type="checkbox"/>	R	
Controlled_Variable_Units	<input checked="" type="checkbox"/>	R	
Setpoint_Reference	<input checked="" type="checkbox"/>	R	
Setpoint	<input checked="" type="checkbox"/>	W	-50...150
Action	<input checked="" type="checkbox"/>	W	
Proportional_Constant	<input checked="" type="checkbox"/>	W	0...3.402822e+038 / res.: 1
Proportional_Constant_Units	<input checked="" type="checkbox"/>	R	
Integral_Constant	<input checked="" type="checkbox"/>	W	0...65535 / res.: 1
Integral_Constant_Units	<input checked="" type="checkbox"/>	R	
Derivative_Constant	<input checked="" type="checkbox"/>	W	0...65535 / res.: 1
Derivative_Constant_Units	<input checked="" type="checkbox"/>	R	
Bias	<input checked="" type="checkbox"/>	W	-50...150
Maximum_Output	<input checked="" type="checkbox"/>	W	50...150
Minimum_Output	<input checked="" type="checkbox"/>	W	50...150
Priority_For_Writing	<input checked="" type="checkbox"/>	R	
COV_Increment	<input checked="" type="checkbox"/>	W	0.000001...3.402822e+038
Time_Delay	<input checked="" type="checkbox"/>	W	0...65535
Notification_Class	<input checked="" type="checkbox"/>	W	
Error_Limit	<input checked="" type="checkbox"/>	W	
Deadband	<input checked="" type="checkbox"/>	W	0...(Error_Limit / 2)
Event_Enable	<input checked="" type="checkbox"/>	W	
Acked_Transitions	<input checked="" type="checkbox"/>	R	
Notify_Type	<input checked="" type="checkbox"/>	W	
Event_Time_Stamps	<input checked="" type="checkbox"/>	R	
Profile_Name	<input checked="" type="checkbox"/>	R	
Event_Message_Texts	<input checked="" type="checkbox"/>	R	

## Multistate Input

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
Present_Value	<input checked="" type="checkbox"/>	R	
Description	<input checked="" type="checkbox"/>	W	
Device_Type	<input checked="" type="checkbox"/>	R	
Status_Flags	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	R	
Out_Of_Service	<input checked="" type="checkbox"/>	W	
Number_Of_States	<input checked="" type="checkbox"/>	R	
State_Text	<input checked="" type="checkbox"/>	R	
Time_Delay	<input checked="" type="checkbox"/>	W	0...65535
Notification_Class	<input checked="" type="checkbox"/>	W	
Alarm_Values	<input checked="" type="checkbox"/>	W	Max. 16
Fault_Values	<input checked="" type="checkbox"/>	R	
Event_Enable	<input checked="" type="checkbox"/>	W	
Acked_Transitions	<input checked="" type="checkbox"/>	R	
Notify_Type	<input checked="" type="checkbox"/>	W	
Event_Time_Stamps	<input checked="" type="checkbox"/>	R	
Profile_Name	<input checked="" type="checkbox"/>	R	
Event_Message_Texts	<input checked="" type="checkbox"/>	R	

## Multistate Output

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
Present_Value	<input checked="" type="checkbox"/>	W	1...Number_Of_States
Description	<input checked="" type="checkbox"/>	W	
Device_Type	<input checked="" type="checkbox"/>	R	
Status_Flags	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	R	
Out_Of_Service	<input checked="" type="checkbox"/>	W	
Number_Of_States	<input checked="" type="checkbox"/>	R	
State_Text	<input checked="" type="checkbox"/>	R	
Priority_Array	<input checked="" type="checkbox"/>	R	
Relinquish_Default	<input checked="" type="checkbox"/>	W	1...Number_Of_States
Time_Delay	<input checked="" type="checkbox"/>	W	0...65535
Notification_Class	<input checked="" type="checkbox"/>	W	
Feedback_Value	<input checked="" type="checkbox"/>	R	
Event_Enable	<input checked="" type="checkbox"/>	W	
Acked_Transitions	<input checked="" type="checkbox"/>	R	
Notify_Type	<input checked="" type="checkbox"/>	W	
Event_Time_Stamps	<input checked="" type="checkbox"/>	R	
Profile_Name	<input checked="" type="checkbox"/>	R	
Event_Message_Texts	<input checked="" type="checkbox"/>	R	

## Multistate Value

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
Present_Value	<input checked="" type="checkbox"/>	W	1...Number_Of_States
Description	<input checked="" type="checkbox"/>	W	
Status_Flags	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	R	
Out_Of_Service	<input checked="" type="checkbox"/>	W	
Number_Of_States	<input checked="" type="checkbox"/>	R	
State_Text	<input checked="" type="checkbox"/>	R	
Priority_Array	<input checked="" type="checkbox"/>	R	
Relinquish_Default	<input checked="" type="checkbox"/>	W	1...Number_Of_States
Time_Delay	<input checked="" type="checkbox"/>	W	0...65535
Notification_Class	<input checked="" type="checkbox"/>	W	
Alarm_Values	<input checked="" type="checkbox"/>	W	Max. 16
Fault_Values	<input checked="" type="checkbox"/>	R	
Event_Enable	<input checked="" type="checkbox"/>	W	
Acked_Transitions	<input checked="" type="checkbox"/>	R	
Notify_Type	<input checked="" type="checkbox"/>	W	
Event_Time_Stamps	<input checked="" type="checkbox"/>	R	
Profile_Name	<input checked="" type="checkbox"/>	R	
Event_Message_Texts	<input checked="" type="checkbox"/>	R	

**Notification Class**

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
Description	<input checked="" type="checkbox"/>	W	
Notification_Class	<input checked="" type="checkbox"/>	R	
Priority	<input checked="" type="checkbox"/>	W	
Ack_Required	<input checked="" type="checkbox"/>	W	
Recipient_List	<input checked="" type="checkbox"/>	W	Max. 20
Profile_Name	<input checked="" type="checkbox"/>	R	

**Schedule**

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
Present_Value	<input checked="" type="checkbox"/>	R	
Description	<input checked="" type="checkbox"/>	W	
Effective_Period	<input checked="" type="checkbox"/>	W	
Weekly_Schedule	<input checked="" type="checkbox"/>	W	Max. 10 per day
Exception_Schedule	<input checked="" type="checkbox"/>	W	Max. 20
Schedule_Default	<input checked="" type="checkbox"/>	W	
List_Of_Object_Property_References	<input checked="" type="checkbox"/>	W	
Priority_For_Writing	<input checked="" type="checkbox"/>	W	
Status_Flags	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	R	
Out_Of_Service	<input checked="" type="checkbox"/>	W	
Profile_Name	<input checked="" type="checkbox"/>	R	

**Program**

<b>Properties</b>	<b>supported</b>	<b>Readable/ Writable</b>	<b>Range restrictions</b>
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
Program_State	<input checked="" type="checkbox"/>	R	
Program_Change	<input checked="" type="checkbox"/>	W	
Reason_For_Halt	<input checked="" type="checkbox"/>	R	
Description_Of_Halt	<input checked="" type="checkbox"/>	R	
Program_Location	<input checked="" type="checkbox"/>	R	
Description	<input checked="" type="checkbox"/>	W	
Instance_Of	<input checked="" type="checkbox"/>	R	
Status_Flags	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	R	
Out_Of_Service	<input checked="" type="checkbox"/>	R	
Profile_Name	<input checked="" type="checkbox"/>	R	



## Trend Log

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
Description	<input checked="" type="checkbox"/>	W	
Enable	<input checked="" type="checkbox"/>	W	
Start_Time	<input checked="" type="checkbox"/>	W	
Stop_Time	<input checked="" type="checkbox"/>	W	
Log_DeviceObjectProperty	<input checked="" type="checkbox"/>	W	
Log_Interval	<input checked="" type="checkbox"/>	W	0; 1 sec...720 h
COV_Resubscription_Interval	<input checked="" type="checkbox"/>	W	60...86400
Client_COV_Increment	<input checked="" type="checkbox"/>	W	0...maxReal
Stop_When_Full	<input checked="" type="checkbox"/>	W	
Buffer_Size	<input checked="" type="checkbox"/>	W	0...5000
Log_Buffer	<input checked="" type="checkbox"/>	R	
Record_Count	<input checked="" type="checkbox"/>	W	0...0
Total_Record_Count	<input checked="" type="checkbox"/>	R	
Notification_Threshold	<input checked="" type="checkbox"/>	W	0...5000
Records_Since_Notification	<input checked="" type="checkbox"/>	R	
Last_Notify_Record	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Notification_Class	<input checked="" type="checkbox"/>	W	
Event_Enable	<input checked="" type="checkbox"/>	W	
Acked_Transitions	<input checked="" type="checkbox"/>	R	
Notify_Type	<input checked="" type="checkbox"/>	W	
Event_Time_Stamps	<input checked="" type="checkbox"/>	R	
Profile_Name	<input checked="" type="checkbox"/>	R	
Logging_Type	<input checked="" type="checkbox"/>	W	
Align_Intervals	<input checked="" type="checkbox"/>	W	
Interval_Offset	<input checked="" type="checkbox"/>	W	
Trigger	<input checked="" type="checkbox"/>	W	
Status_Flags	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	R	
Event_Message_Texts	<input checked="" type="checkbox"/>	R	

**Accumulator**

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
Present_Value	<input checked="" type="checkbox"/>	R	
Description	<input checked="" type="checkbox"/>	R	
Device_Type	<input checked="" type="checkbox"/>	R	
Status_Flags	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	R	
Out_Of_Service	<input checked="" type="checkbox"/>	W	
Scale	<input checked="" type="checkbox"/>	W	
Units	<input checked="" type="checkbox"/>	W	
Prescale	<input checked="" type="checkbox"/>	W	
Max_Pres_Value	<input checked="" type="checkbox"/>	R	
Value_Change_Time	<input checked="" type="checkbox"/>	R	
Value_Before_Change	<input checked="" type="checkbox"/>	R	
Value_Set	<input checked="" type="checkbox"/>	W	
Logging_Record	<input checked="" type="checkbox"/>	R	
Logging_Object	<input checked="" type="checkbox"/>	R	
Pulse_Rate	<input checked="" type="checkbox"/>	R	
High_Limit	<input checked="" type="checkbox"/>	W	
Low_Limit	<input checked="" type="checkbox"/>	W	
Limit_Monitoring_Interval	<input checked="" type="checkbox"/>	W	0...65535
Notification_Class	<input checked="" type="checkbox"/>	W	
Time_Delay	<input checked="" type="checkbox"/>	W	0...65535
Limit_Enable	<input checked="" type="checkbox"/>	W	
Event_Enable	<input checked="" type="checkbox"/>	W	
Acked_Transitions	<input checked="" type="checkbox"/>	R	
Notify_Type	<input checked="" type="checkbox"/>	W	
Event_Time_Stamps	<input checked="" type="checkbox"/>	R	
Event_Message_Texts	<input checked="" type="checkbox"/>	R	
Profile_Name	<input checked="" type="checkbox"/>	R	

Pulse-Converter

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
Description	<input checked="" type="checkbox"/>	W	
Present_Value	<input checked="" type="checkbox"/>	R	
Input_Reference	<input checked="" type="checkbox"/>	R	
Status_Flags	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	R	
Out_Of_Service	<input checked="" type="checkbox"/>	W	
Units	<input checked="" type="checkbox"/>	R	
Scale_Factor	<input checked="" type="checkbox"/>	W	
Adjust_Value	<input checked="" type="checkbox"/>	W	
Count	<input checked="" type="checkbox"/>	R	
Update_Time	<input checked="" type="checkbox"/>	R	
Count_Change_Time	<input checked="" type="checkbox"/>	R	
Count_Before_Change	<input checked="" type="checkbox"/>	R	
COV_Increment	<input checked="" type="checkbox"/>	W	0.000001...3.402822e+038
COV_Period	<input checked="" type="checkbox"/>	W	0...65535
Notification_Class	<input checked="" type="checkbox"/>	W	
Time_Delay	<input checked="" type="checkbox"/>	W	0...65535
High_Limit	<input checked="" type="checkbox"/>	W	
Low_Limit	<input checked="" type="checkbox"/>	W	
Deadband	<input checked="" type="checkbox"/>	W	0...maxReal
Limit_Enable	<input checked="" type="checkbox"/>	W	
Event_Enable	<input checked="" type="checkbox"/>	W	
Acked_Transitions	<input checked="" type="checkbox"/>	R	
Notify_Type	<input checked="" type="checkbox"/>	W	
Event_Time_Stamps	<input checked="" type="checkbox"/>	R	
Profile_Name	<input checked="" type="checkbox"/>	R	
Event_Message_Texts	<input checked="" type="checkbox"/>	R	

Event-Log

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
Description	<input checked="" type="checkbox"/>	W	
Status_Flags	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	R	
Enable	<input checked="" type="checkbox"/>	W	
Start_Time	<input checked="" type="checkbox"/>	W	
Stop_Time	<input checked="" type="checkbox"/>	W	
Stop_When_Full	<input checked="" type="checkbox"/>	W	
Buffer_Size	<input checked="" type="checkbox"/>	W	0...120
Log_Buffer	<input checked="" type="checkbox"/>	R	
Record_Count	<input checked="" type="checkbox"/>	W	0...0
Total_Record_Count	<input checked="" type="checkbox"/>	R	
Notification_Threshold	<input checked="" type="checkbox"/>	W	0...120
Records_Since_Notification	<input checked="" type="checkbox"/>	R	
Last_Notify_Record	<input checked="" type="checkbox"/>	R	
Notification_Class	<input checked="" type="checkbox"/>	W	
Event_Enable	<input checked="" type="checkbox"/>	W	
Acked_Transitions	<input checked="" type="checkbox"/>	R	
Notify_Type	<input checked="" type="checkbox"/>	W	
Event_Time_Stamps	<input checked="" type="checkbox"/>	R	
Profile_Name	<input checked="" type="checkbox"/>	R	
Event_Message_Texts	<input checked="" type="checkbox"/>	R	

Trend Log Multiple

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
Description	<input checked="" type="checkbox"/>	W	
Status_Flags	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	R	
Enable	<input checked="" type="checkbox"/>	W	
Start_Time	<input checked="" type="checkbox"/>	W	
Stop_Time	<input checked="" type="checkbox"/>	W	
Log_DeviceObjectProperty	<input checked="" type="checkbox"/>	W	
Logging_Type	<input checked="" type="checkbox"/>	W	
Log_Interval	<input checked="" type="checkbox"/>	W	0; 1 sec...720 h
Align_Intervals	<input checked="" type="checkbox"/>	W	
Interval_Offset	<input checked="" type="checkbox"/>	W	
Trigger	<input checked="" type="checkbox"/>	W	
Stop_When_Full	<input checked="" type="checkbox"/>	W	
Buffer_Size	<input checked="" type="checkbox"/>	W	0...5000
Log_Buffer	<input checked="" type="checkbox"/>	R	
Record_Count	<input checked="" type="checkbox"/>	W	0...0
Total_Record_Count	<input checked="" type="checkbox"/>	R	
Notification_Threshold	<input checked="" type="checkbox"/>	W	0...5000
Records_Since_Notification	<input checked="" type="checkbox"/>	R	
Last_Notify_Record	<input checked="" type="checkbox"/>	R	
Notification_Class	<input checked="" type="checkbox"/>	W	
Event_Enable	<input checked="" type="checkbox"/>	W	
Acked_Transitions	<input checked="" type="checkbox"/>	R	
Notify_Type	<input checked="" type="checkbox"/>	W	
Event_Time_Stamps	<input checked="" type="checkbox"/>	R	
Profile_Name	<input checked="" type="checkbox"/>	R	
Event_Message_Texts	<input checked="" type="checkbox"/>	R	

## Load Control

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
Description	<input checked="" type="checkbox"/>	R	
Present_Value	<input checked="" type="checkbox"/>	R	
State_Description	<input checked="" type="checkbox"/>	R	
Status_Flags	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	R	
Requested_Shed_Level	<input checked="" type="checkbox"/>	W	
Start_Time	<input checked="" type="checkbox"/>	W	
Shed_Duration	<input checked="" type="checkbox"/>	W	
Duty_Window	<input checked="" type="checkbox"/>	W	
Enable	<input checked="" type="checkbox"/>	W	
Full_Duty_Baseline	<input checked="" type="checkbox"/>	R	
Expected_Shed_Level	<input checked="" type="checkbox"/>	R	
Actual_Shed_Level	<input checked="" type="checkbox"/>	R	
Shed_Levels	<input checked="" type="checkbox"/>	W	
Shed_Levels_Descriptions	<input checked="" type="checkbox"/>	W	
Notification_Class	<input checked="" type="checkbox"/>	W	
Time_Delay	<input checked="" type="checkbox"/>	W	1...65535
Event_Enable	<input checked="" type="checkbox"/>	W	
Acked_Transitions	<input checked="" type="checkbox"/>	R	
Notify_Type	<input checked="" type="checkbox"/>	W	
Event_Time_Stamps	<input checked="" type="checkbox"/>	R	
Profile_Name	<input checked="" type="checkbox"/>	R	
Event_Message_Texts	<input checked="" type="checkbox"/>	R	

## Structured View

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
Description	<input checked="" type="checkbox"/>	R	
Node_Type	<input checked="" type="checkbox"/>	R	
Node_Subtype	<input checked="" type="checkbox"/>	R	
Subordinate_List	<input checked="" type="checkbox"/>	R	
Subordinate_Annotations	<input checked="" type="checkbox"/>	R	
Profile_Name	<input checked="" type="checkbox"/>	R	

## 1.6 Segmentation capability

<input checked="" type="checkbox"/>	Able to transmit segmented messages	Window size	4
<input checked="" type="checkbox"/>	Able to receive segmented messages	Window size	4

## 1.7 Data Link Layer options

The supported Data Link Layers of a product are listed with the product model number.

<input checked="" type="checkbox"/>	BACnet IP, (Annex J)	
<input type="checkbox"/>	BACnet IP, (Annex J), Foreign Device	
<input type="checkbox"/>	ISO 8802-3, Ethernet (Clause 7)	
<input type="checkbox"/>	ANSI/ATA 878.1, 2.5 Mb. ARCNET (Clause 8)	
<input type="checkbox"/>	ANSI/ATA 878.1, RS-485 ARCNET (Clause 8), baud rate(s)	
<input type="checkbox"/>	MS/TP master (Clause 9), baud rate(s)	
<input type="checkbox"/>	MS/TP slave (Clause 9), baud rate(s)	
<input checked="" type="checkbox"/>	Point-To-Point, EIA 232 (Clause 10), baud rate(s)	: 38400
<input checked="" type="checkbox"/>	Point-To-Point, modem, (Clause 10), baud rate(s)	: 38400
<input checked="" type="checkbox"/>	LonTalk, (Clause 11), medium	: TP/FT-10
<input type="checkbox"/>	Other	

## 1.8 Device address binding

Is static device binding supported?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
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## 1.9 Networking options

<input checked="" type="checkbox"/>	Router, Clause 6 (remote management functionality/BACnet PTP)
<input type="checkbox"/>	Annex H, BACnet Tunnelling Router over IP
<input checked="" type="checkbox"/>	BACnet/IP Broadcast Management Device (BBMD) <sup>1)</sup> Number of BDT entries: 50 Number of FDT entries: 50
	Does the BBMD support registrations by foreign devices? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

1) if product supports IP

# 1.10 Character sets supported

Indicating support for multiple character sets does not imply that they can all be supported simultaneously.

<input checked="" type="checkbox"/> UTF-8	<input type="checkbox"/> IBM / Microsoft DBCS	<input checked="" type="checkbox"/> ISO 8859-1
<input checked="" type="checkbox"/> ISO 10646 (UCS-2)	<input type="checkbox"/> ISO 10646 (UCS-4)	<input type="checkbox"/> JIS C 6226



## 2 Desigo PXC3 and DXR2 Automation Stations

<b>Date</b>	: 1 May 2015
<b>Vendor name</b>	: Siemens Building Technologies (Vendor ID 7)
<b>Product name</b>	: Desigo PXC3 and DXR2 Automation Stations
<b>Product model number</b>	: PXC3 and DXR2
<b>BACnet protocol version</b>	: 1:13
<b>Application software version</b>	: TBD
<b>Firmware revision</b>	: TBD

### 2.1 Product model number

The Desigo PXC3 and DXR2 Automation stations are a range of products based on the same software. The PICS are the same for all products listed below:

PXC3.E72	Modular automation station	IP	
PXC3.E72-100A	Modular automation station	IP	
PXC3.E72A	Modular automation station	IP	
PXC3.E72A-100A	Modular automation station	IP	
PXC3.E75	Modular automation station	IP	
PXC3.E75-100A	Modular automation station	IP	
PXC3.E75A	Modular automation station	IP	
PXC3.E75A-100A	Modular automation station	IP	
DXR2.E18	Modular automation station	IP	
DXR2.E12P	Modular automation station	IP	
DXR2.E10	Modular automation station	IP	
DXR2.E09	Modular automation station	IP	
DXR2.E09T	Modular automation station	IP	
DXR2.M11	Modular automation station		MSTP
DXR2.M18	Modular automation station		MSTP
DXR2.M12P	Modular automation station		MSTP
DXR2.M10	Modular automation station		MSTP
DXR2.M09	Modular automation station		MSTP
DXR2.M09T	Modular automation station		MSTP

### 2.2 Product description

The Desigo PXC3 and DXR2 is a freely configurable process unit. The process unit as a system platform can be used in the Desigo product range as a stand-alone or network device with BACnet communication.

### 2.3 BACnet standardized device profile (Annex L)

The Desigo PXC3 automation station is a range of products based on the same software. The PICS are the same for all products listed below.

## 2.4 BACnet standardized device profile (Annex L)

<input type="checkbox"/>	BACnet Advanced Workstation	(B-AWS)
<input type="checkbox"/>	BACnet Operator Workstation	(B-OWS)
<input type="checkbox"/>	BACnet Operator Display	(B-OD)
<input type="checkbox"/>	BACnet Building Controller	(B-BC)
<input type="checkbox"/>	BACnet Advanced Application Controller	(B-AAC)
<input checked="" type="checkbox"/>	BACnet Application Specific Controller	(B-ASC)
<input type="checkbox"/>	BACnet Smart Sensor	(B-SS)
<input type="checkbox"/>	BACnet Smart Actuator	(B-SA)

## 2.5 BACnet interoperability building blocks supported (Annex K)

### Data sharing

<input checked="" type="checkbox"/>	Data Sharing – Read Property-A	DS-RP-A
<input checked="" type="checkbox"/>	Data Sharing – Read Property-B	DS-RP-B
<input checked="" type="checkbox"/>	Data Sharing – Read Property Multiple-A	DS-RPM-A
<input checked="" type="checkbox"/>	Data Sharing – Read Property Multiple-B	DS-RPM-B
<input checked="" type="checkbox"/>	Data Sharing – Write Property-A	DS-WP-A
<input checked="" type="checkbox"/>	Data Sharing – Write Property-B	DS-WP-B
<input checked="" type="checkbox"/>	Data Sharing – Write Property Multiple-A	DS-WPM-A
<input checked="" type="checkbox"/>	Data Sharing – Write Property Multiple-B	DS-WPM-B
<input checked="" type="checkbox"/>	Data Sharing – Change of Value -A	DS-COV-A
<input checked="" type="checkbox"/>	Data Sharing – Change of Value -B	DS-COV-B
<input checked="" type="checkbox"/>	Data Sharing – Change of Value Property -A	DS-COVP-A
<input checked="" type="checkbox"/>	Data Sharing – Change of Value Property -B	DS-COVP-B
<input type="checkbox"/>	Data Sharing – Change of Value-Unsolicited-A	DS-COVU-A
<input type="checkbox"/>	Data Sharing – Change of Value-Unsolicited-B	DS-COVU-B
<input type="checkbox"/>	Data Sharing – View-A	DS-V-A
<input type="checkbox"/>	Data Sharing – Advanced View-A	DS-AV-A
<input type="checkbox"/>	Data Sharing – Modify-A	DS-M-A
<input type="checkbox"/>	Data Sharing – Advanced Modify-A	DS-AM-A

### Alarm and event management

<input type="checkbox"/>	Alarm and Event – Notification-A	AE-N-A
<input checked="" type="checkbox"/>	Alarm and Event – Notification Internal-B	AE-N-I-B
<input type="checkbox"/>	Alarm and Event – Notification External-B	AE-N-E-B
<input type="checkbox"/>	Alarm and Event – ACK-A	AE-ACK-A
<input checked="" type="checkbox"/>	Alarm and Event – ACK-B	AE-ACK-B
<input checked="" type="checkbox"/>	Alarm and Event – Alarm Summary-B	AE-ASUM-B
<input checked="" type="checkbox"/>	Alarm and Event – Enrollment Summary-B	AE-ESUM-B
<input checked="" type="checkbox"/>	Alarm and Event – Information-B	AE-INFO-B
<input type="checkbox"/>	Alarm and Event – Life Safety-A	AE-LS-A
<input type="checkbox"/>	Alarm and Event – Life Safety-B	AE-LS-B
<input type="checkbox"/>	Alarm and Event – View Notifications-A	AE-VN-A
<input type="checkbox"/>	Alarm and Event – Advanced View Notifications-A	AE-AVN-A
<input type="checkbox"/>	Alarm and Event – View and Modify-A	AE-VM-A
<input type="checkbox"/>	Alarm and Event – Advanced View and Modify-A	AE-AVM-A
<input type="checkbox"/>	Alarm and Event – Alarm Summary View-A	AE-AS-A
<input type="checkbox"/>	Alarm and Event – Event Log View-A	AE-ELV-A
<input type="checkbox"/>	Alarm and Event – Event Log View and Modify-A	AE-ELVM-A
<input checked="" type="checkbox"/>	Alarm and Event – Event Log Internal-B	AE-EL-I-B
<input type="checkbox"/>	Alarm and Event – Event Log External-B	AE-EL-E-B

**Alarm and event management**

**Historical/Deprecated BIBBs**

<input type="checkbox"/>	Alarm and Event – Alarm Summary-A	AE-ASUM-A
<input type="checkbox"/>	Alarm and Event – Enrollment Summary-A	AE-ESUM-A
<input type="checkbox"/>	Alarm and Event – Information-A	AE-INFO-A

**Scheduling**

<input type="checkbox"/>	Scheduling – Internal-B	SCHEDE-I-B
<input type="checkbox"/>	Scheduling – External-B	SCHEDE-E-B
<input type="checkbox"/>	Scheduling – Advanced View Modify-A	SCHEDE-AVM-A
<input type="checkbox"/>	Scheduling – View Modify-A	SCHEDE-VM-A
<input type="checkbox"/>	Scheduling – Weekly Schedule-A	SCHEDE-WS-A
<input type="checkbox"/>	Scheduling – Weekly Schedule Internal-B	SCHEDE-WS-I-B
<input type="checkbox"/>	Scheduling – Readable-B	SCHEDE-R-B

**Historical/Deprecated BIBBs**

<input type="checkbox"/>	Scheduling – A	SCHEDE-A
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**Trending**

<input type="checkbox"/>	Trending – Viewing and Modifying Trends-A	T-VMT-A
<input checked="" type="checkbox"/>	Trending – Viewing and Modifying Internal-B	T-VMT-I-B
<input type="checkbox"/>	Trending – Viewing and Modifying External-B	T-VMT-E-B
<input type="checkbox"/>	Trending – Viewing and Modifying Multiple Values-A	T-VMMV-A
<input type="checkbox"/>	Trending – Viewing and Modifying Multiple Values Internal-B	T-VMMV-I-B
<input type="checkbox"/>	Trending – Viewing and Modifying Multiple Values External -B	T-VMMV-E-B
<input type="checkbox"/>	Trending – Automated Multiple Value Retrieval-A	T-AMVR-A
<input type="checkbox"/>	Trending – Automated Multiple Value Retrieval-B	T-AMVR-B
<input type="checkbox"/>	Trending – View-A	T-V-A
<input type="checkbox"/>	Trending – Advanced View and Modify-A	T-AVM-A
<input type="checkbox"/>	Trending – Archival-A	T-A-A
<input type="checkbox"/>	Trending – Automated Trend Retrieval-A	T-ATR-A
<input checked="" type="checkbox"/>	Trending – Automated Trend Retrieval-B	T-ATR-B

**Historical/Deprecated BIBBs**

<input type="checkbox"/>	Trending – Viewing and Modifying Trends-A	T-VMT-A
<input type="checkbox"/>	Trending – Viewing and Modifying Multiple Values-A	T-VMMV-A

**Device management**

<input checked="" type="checkbox"/>	Device Management – Dynamic Device Binding-A	DM-DDB-A
<input checked="" type="checkbox"/>	Device Management – Dynamic Device Binding-B	DM-DDB-B
<input type="checkbox"/>	Device Management – Dynamic Object Binding-A	DM-DOB-A
<input checked="" type="checkbox"/>	Device Management – Dynamic Object Binding-B	DM-DOB-B
<input type="checkbox"/>	Device Management – Device Communication Control-A	DM-DCC-A
<input checked="" type="checkbox"/>	Device Management – Device Communication Control-B	DM-DCC-B
<input type="checkbox"/>	Device Management – Private Transfer-A	DM-PT-A
<input type="checkbox"/>	Device Management – Private Transfer-B	DM-PT-B
<input type="checkbox"/>	Device Management – Text Message-A	DM-TM-A
<input type="checkbox"/>	Device Management – Text Message-B	DM-TM-B
<input type="checkbox"/>	Device Management – Time Synchronization-A	DM-TS-A
<input checked="" type="checkbox"/>	Device Management – Time Synchronization-B	DM-TS-B

**Device management**

<input type="checkbox"/>	Device Management – UTC Time Synchronization-A	DM-UTC-A
<input checked="" type="checkbox"/>	Device Management – UTC Time Synchronization-B	DM-UTC-B
<input type="checkbox"/>	Device Management – Reinitialize Device-A	DM-RD-A
<input checked="" type="checkbox"/>	Device Management – Reinitialize Device-B	DM-RD-B
<input type="checkbox"/>	Device Management – Backup and Restore-A	DM-BR-A
<input checked="" type="checkbox"/>	Device Management – Backup and Restore-B	DM-BR-B
<input type="checkbox"/>	Device Management – Restart-A	DM-R-A
<input checked="" type="checkbox"/>	Device Management – Restart-B	DM-R-B
<input type="checkbox"/>	Device Management – List Manipulation-A	DM-LM-A
<input checked="" type="checkbox"/>	Device Management – List Manipulation-B	DM-LM-B
<input type="checkbox"/>	Device Management – Object Creation and Deletion-A	DM-OCD-A
<input type="checkbox"/>	Device Management – Object Creation and Deletion-B	DM-OCD-B
<input type="checkbox"/>	Device Management – Virtual Terminal-A	DM-VT-A
<input type="checkbox"/>	Device Management – Virtual Terminal-B	DM-VT-B
<input type="checkbox"/>	Device Management – Automatic Network Mapping-A	DM-ANM-A
<input type="checkbox"/>	Device Management – Automatic Device Mapping-A	DM-ADM-A
<input type="checkbox"/>	Device Management – Automatic Time Synchronization-A	DM-ATS-A
<input type="checkbox"/>	Device Management – Manual Time Synchronization-A	DM-MTS-A

**Network management**

<input type="checkbox"/>	Network Management – Connection Establishment-A	NM-CE-A
<input type="checkbox"/>	Network Management – Connection Establishment-B	NM-CE-B
<input type="checkbox"/>	Network Management – Router Configuration-A	NM-RC-A
<input type="checkbox"/>	Network Management – Router Configuration-B	NM-RC-B

## 2.6 Standard object types supported

Object type	Supported	Can be created dynamically	Can be deleted dynamically
Analog Input	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analog Output	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analog Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Binary Input	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Binary Output	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Binary Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Calendar	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Command	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Device	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Event Enrollment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
File	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Group	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Loop	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi-State Input	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi-State Output	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Notification Class	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Program	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Schedule	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Averaging	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi-State Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trend Log	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Life-Safety-Point	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Life-Safety-Zone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Accumulator	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pulse-Converter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Event Log	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Global Group	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trend Log Multiple	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Load Control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Structured-View	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Door	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(unassigned)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Credential	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Point	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Rights	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access User	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Zone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Credential Data Input	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Network Security	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bitstring Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Characterstring Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Object type	Supported	Can be created dynamically	Can be deleted dynamically
Date Pattern Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Date Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Datetime Pattern Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Datetime Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Integer Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Large Analog Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Octetstring Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Positive Integer Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Time Pattern Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Time Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Analog Input

Properties	Supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	W	
Object_Type	<input checked="" type="checkbox"/>	R	
Present_Value	<input checked="" type="checkbox"/>	W	
Description	<input checked="" type="checkbox"/>	W	
Device_Type	<input checked="" type="checkbox"/>	W	
Status_Flags	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	W	
Out_Of_Service	<input checked="" type="checkbox"/>	W	
Update_Interval	<input type="checkbox"/>		
Units	<input checked="" type="checkbox"/>	W	
Min_Pres_Value	<input checked="" type="checkbox"/>	W	
Max_Pres_Value	<input checked="" type="checkbox"/>	W	
Resolution	<input checked="" type="checkbox"/>	W	
COV_Increment	<input checked="" type="checkbox"/>	W	
Time_Delay	<input type="checkbox"/>		
Notification_Class	<input type="checkbox"/>		
High_Limit	<input type="checkbox"/>		
Low_Limit	<input type="checkbox"/>		
Deadband	<input type="checkbox"/>		
Limit_Enable	<input type="checkbox"/>		
Event_Enable	<input type="checkbox"/>		
Acked_Transitions	<input type="checkbox"/>		
Notify_Type	<input type="checkbox"/>		
Event_Time_Stamps	<input type="checkbox"/>		
Profile_Name	<input checked="" type="checkbox"/>	R	



## Analog Output

Properties	Supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	W	
Object_Type	<input checked="" type="checkbox"/>	R	
Present_Value	<input checked="" type="checkbox"/>	W	
Description	<input checked="" type="checkbox"/>	W	
Device_Type	<input checked="" type="checkbox"/>	W	
Status_Flags	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	W	
Out_Of_Service	<input checked="" type="checkbox"/>	W	
Update_Interval	<input type="checkbox"/>		
Units	<input checked="" type="checkbox"/>	W	
Min_Pres_Value	<input checked="" type="checkbox"/>	W	
Max_Pres_Value	<input checked="" type="checkbox"/>	W	
Resolution	<input checked="" type="checkbox"/>	W	
Priority_Array	<input checked="" type="checkbox"/>	R	
Relinquish_Default	<input checked="" type="checkbox"/>	W	
COV_Increment	<input checked="" type="checkbox"/>	W	
Time_Delay	<input type="checkbox"/>		
Notification_Class	<input type="checkbox"/>		
High_Limit	<input type="checkbox"/>		
Low_Limit	<input type="checkbox"/>		
Deadband	<input type="checkbox"/>		
Limit_Enable	<input type="checkbox"/>		
Event_Enable	<input type="checkbox"/>		
Acked_Transitions	<input type="checkbox"/>		
Notify_Type	<input type="checkbox"/>		
Event_Time_Stamps	<input type="checkbox"/>		
Profile_Name	<input checked="" type="checkbox"/>	R	

Analog Value

Properties	Supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	W	
Object_Type	<input checked="" type="checkbox"/>	R	
Present_Value	<input checked="" type="checkbox"/>	W	
Description	<input checked="" type="checkbox"/>	W	
Status_Flags	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	W	
Out_Of_Service	<input checked="" type="checkbox"/>	W	
Units	<input checked="" type="checkbox"/>	W	
Priority_Array	<input checked="" type="checkbox"/>	R	
Relinquish_Default	<input checked="" type="checkbox"/>	W	
COV_Increment	<input checked="" type="checkbox"/>	W	
Time_Delay	<input type="checkbox"/>		
Notification_Class	<input type="checkbox"/>		
High_Limit	<input type="checkbox"/>		
Low_Limit	<input type="checkbox"/>		
Deadband	<input type="checkbox"/>		
Limit_Enable	<input type="checkbox"/>		
Event_Enable	<input type="checkbox"/>		
Acked_Transitions	<input type="checkbox"/>		
Notify_Type	<input type="checkbox"/>		
Event_Time_Stamps	<input type="checkbox"/>		
Profile_Name	<input checked="" type="checkbox"/>	R	

Binary Input

Properties	Supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	W	
Object_Type	<input checked="" type="checkbox"/>	R	
Present_Value	<input checked="" type="checkbox"/>	W	
Description	<input checked="" type="checkbox"/>	W	
Device_Type	<input checked="" type="checkbox"/>	W	
Status_Flags	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	W	
Out_Of_Service	<input checked="" type="checkbox"/>	W	
Polarity	<input checked="" type="checkbox"/>	W	
Inactive_Text	<input checked="" type="checkbox"/>	W	
Active_Text	<input checked="" type="checkbox"/>	W	
Change_Of_State_Time	<input type="checkbox"/>		
Change_Of_State_Count	<input type="checkbox"/>		
Time_Of_State_Count_Reset	<input type="checkbox"/>		
Elapsed_Active_Time	<input type="checkbox"/>		
Time_Of_Active_Time_Reset	<input type="checkbox"/>		
Time_Delay	<input type="checkbox"/>		
Notification_Class	<input type="checkbox"/>		
Alarm_Value	<input type="checkbox"/>		
Event_Enable	<input type="checkbox"/>		
Acked_Transitions	<input type="checkbox"/>		
Notify_Type	<input type="checkbox"/>		
Event_Time_Stamps	<input type="checkbox"/>		
Profile_Name	<input checked="" type="checkbox"/>	W	

Binary Output

Properties	Supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	W	
Object_Type	<input checked="" type="checkbox"/>	R	
Present_Value	<input checked="" type="checkbox"/>	W	
Description	<input checked="" type="checkbox"/>	W	
Device_Type	<input checked="" type="checkbox"/>	W	
Status_Flags	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	W	
Out_Of_Service	<input checked="" type="checkbox"/>	W	
Polarity	<input checked="" type="checkbox"/>	W	
Inactive_Text	<input checked="" type="checkbox"/>	W	
Active_Text	<input checked="" type="checkbox"/>	W	
Change_Of_State_Time	<input type="checkbox"/>		
Change_Of_State_Count	<input type="checkbox"/>		
Time_Of_State_Count_Reset	<input type="checkbox"/>		
Elapsed_Active_Time	<input type="checkbox"/>		
Time_Of_Active_Time_Reset	<input type="checkbox"/>		
Minimum_Off_Time	<input type="checkbox"/>		
Minimum_On_Time	<input type="checkbox"/>		
Priority_Array	<input checked="" type="checkbox"/>	R	
Relinquish_Default	<input checked="" type="checkbox"/>	W	
Time_Delay	<input type="checkbox"/>		
Notification_Class	<input type="checkbox"/>		
Feedback_Value	<input type="checkbox"/>		
Event_Enable	<input type="checkbox"/>		
Acked_Transitions	<input type="checkbox"/>		
Notify_Type	<input type="checkbox"/>		
Event_Time_Stamps	<input type="checkbox"/>		
Profile_Name	<input checked="" type="checkbox"/>	R	

Binary Value

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	W	
Object_Type	<input checked="" type="checkbox"/>	R	
Present_Value	<input checked="" type="checkbox"/>	W	
Description	<input checked="" type="checkbox"/>	W	
Status_Flags	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	W	
Out_Of_Service	<input checked="" type="checkbox"/>	W	
Inactive_Text	<input checked="" type="checkbox"/>	W	
Active_Text	<input checked="" type="checkbox"/>	W	
Change_Of_State_Time	<input type="checkbox"/>		
Change_Of_State_Count	<input type="checkbox"/>		
Time_Of_State_Count_Reset	<input type="checkbox"/>		
Elapsed_Active_Time	<input type="checkbox"/>		
Time_Of_Active_Time_Reset	<input type="checkbox"/>		
Minimum_Off_Time	<input type="checkbox"/>		
Minimum_On_Time	<input type="checkbox"/>		
Priority_Array	<input checked="" type="checkbox"/>	R	
Relinquish_Default	<input checked="" type="checkbox"/>	W	
Time_Delay	<input type="checkbox"/>		
Notification_Class	<input type="checkbox"/>		
Alarm_Value	<input type="checkbox"/>		
Event_Enable	<input type="checkbox"/>		
Acked_Transitions	<input type="checkbox"/>		
Notify_Type	<input type="checkbox"/>		
Event_Time_Stamps	<input type="checkbox"/>		
Profile_Name	<input checked="" type="checkbox"/>	R	

**Command**

<b>Properties</b>	<b>supported</b>	<b>Readable/ Writable</b>	<b>Range restrictions</b>
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	W	
Object_Type	<input checked="" type="checkbox"/>	R	
Description	<input checked="" type="checkbox"/>	W	
Present_Value	<input checked="" type="checkbox"/>	W	
In_Process	<input checked="" type="checkbox"/>	R	
All_Writes_Successful	<input checked="" type="checkbox"/>	R	
Action	<input checked="" type="checkbox"/>	W	
Action_Text	<input checked="" type="checkbox"/>	W	
Profile_Name	<input checked="" type="checkbox"/>	R	

Device

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
System_Status	<input checked="" type="checkbox"/>	R	
Vendor_Name	<input checked="" type="checkbox"/>	R	
Vendor_Identifier	<input checked="" type="checkbox"/>	R	
Model_Name	<input checked="" type="checkbox"/>	R	
Firmware_Revision	<input checked="" type="checkbox"/>	R	
Application_Software_Version	<input checked="" type="checkbox"/>	R	
Location	<input checked="" type="checkbox"/>	W	
Description	<input checked="" type="checkbox"/>	W	
Protocol_Version	<input checked="" type="checkbox"/>	R	
Protocol_Revision	<input checked="" type="checkbox"/>	R	
Protocol_Services_Supported	<input checked="" type="checkbox"/>	R	
Protocol_Object_Types_Supported	<input checked="" type="checkbox"/>	R	
Object_List	<input checked="" type="checkbox"/>	R	
Structured_Object_List	<input checked="" type="checkbox"/>	R	
Max_APDU_Length_Accepted	<input checked="" type="checkbox"/>	R	
Segmentation_Supported	<input checked="" type="checkbox"/>	R	
Max_Segments_Accepted	<input checked="" type="checkbox"/>	R	
VT_Classes_Supported	<input type="checkbox"/>		
Active_VT_Sessions	<input type="checkbox"/>		
Local_Time	<input checked="" type="checkbox"/>	R	
Local_Date	<input checked="" type="checkbox"/>	R	
UTC_Offset	<input checked="" type="checkbox"/>	R	
Daylight_Savings_Status	<input checked="" type="checkbox"/>	R	
APDU_Segment_Timeout	<input checked="" type="checkbox"/>	R	
APDU_Timeout	<input checked="" type="checkbox"/>	R	
Number_Of_APDU_Retries	<input checked="" type="checkbox"/>	R	
List_Of_Session_Keys	<input type="checkbox"/>		
Time_Synchronization_Recipients	<input type="checkbox"/>		
Max_Master	<input checked="" type="checkbox"/>	R	
Max_Info_Frames	<input checked="" type="checkbox"/>	R	
Device_Address_Binding	<input checked="" type="checkbox"/>	R	
Database_Revision	<input checked="" type="checkbox"/>	R	
Configuration_Files	<input checked="" type="checkbox"/>	R	
Last_Restore_Time	<input checked="" type="checkbox"/>	R	
Backup_Failure_Timeout	<input checked="" type="checkbox"/>	W	
Backup_Preparation_Time	<input checked="" type="checkbox"/>	R	
Restore_Preparation_Time	<input checked="" type="checkbox"/>	R	
Restore_Completion_Time	<input checked="" type="checkbox"/>	R	
Backup_And_Restore_State	<input checked="" type="checkbox"/>	R	
Active_COV_Subscriptions	<input checked="" type="checkbox"/>	R	
Slave_Proxy_Enable	<input checked="" type="checkbox"/>	W	
Manual_Slave_Adress_Binding	<input checked="" type="checkbox"/>	W	

Properties	supported	Readable/ Writable	Range restrictions
Auto_Slave_Discovery	<input checked="" type="checkbox"/>	W	
Slave_Address_Binding	<input checked="" type="checkbox"/>	R	
Last_Restart_Reason	<input checked="" type="checkbox"/>	R	
Time_Of_Device_Restart	<input checked="" type="checkbox"/>	R	
Restart_Notification_Recipients	<input checked="" type="checkbox"/>	W	
UTC_Time_Synchronization_Recipients	<input type="checkbox"/>		
Time_Synchronization_Interval	<input type="checkbox"/>		
Align_Intervals	<input type="checkbox"/>		
Interval_Offset	<input type="checkbox"/>		
Profile_Name	<input checked="" type="checkbox"/>	R	

## Event Enrollment

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	W	
Object_Type	<input checked="" type="checkbox"/>	R	
Description	<input checked="" type="checkbox"/>	W	
Event_Type	<input checked="" type="checkbox"/>	R	
Event_Parameters	<input checked="" type="checkbox"/>	W	
Notify_Type	<input checked="" type="checkbox"/>	W	
Object_Property_Reference	<input checked="" type="checkbox"/>	W	
Event_State	<input checked="" type="checkbox"/>	R	
Event_Enable	<input checked="" type="checkbox"/>	W	
Event_Detection_Enable	<input checked="" type="checkbox"/>	W	
Acked_Transitions	<input checked="" type="checkbox"/>	R	
Time_Delay_Normal	<input checked="" type="checkbox"/>	W	
Notification_Class	<input checked="" type="checkbox"/>	W	
Event_Time_Stamps	<input checked="" type="checkbox"/>	R	
Event_Message_Texts	<input checked="" type="checkbox"/>	R	
Event_Message_Texts_Config	<input checked="" type="checkbox"/>	W	
Event_Algorithm_Inhibit	<input checked="" type="checkbox"/>	W	
Status_Flags	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	R	
Profile_Name	<input checked="" type="checkbox"/>	R	



**File**

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	W	
Object_Type	<input checked="" type="checkbox"/>	R	
Description	<input checked="" type="checkbox"/>	W	
File_Type	<input checked="" type="checkbox"/>	R	
File_Size	<input checked="" type="checkbox"/>	W	
Modification_Date	<input checked="" type="checkbox"/>	R	
Archive	<input checked="" type="checkbox"/>	W	
Read_Only	<input checked="" type="checkbox"/>	R	
File_Access_Method	<input checked="" type="checkbox"/>	R	
Profile_Name	<input checked="" type="checkbox"/>	R	

Loop

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	W	
Object_Type	<input checked="" type="checkbox"/>	R	
Present_Value	<input checked="" type="checkbox"/>	W	
Description	<input checked="" type="checkbox"/>	W	
Status_Flags	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	W	
Out_Of_Service	<input checked="" type="checkbox"/>	W	
Output_Units	<input checked="" type="checkbox"/>	W	
Manipulated_Variable_Reference	<input checked="" type="checkbox"/>	R	
Controlled_Variable_Reference	<input checked="" type="checkbox"/>	R	
Controlled_Variable_Value	<input checked="" type="checkbox"/>	R	
Controlled_Variable_Units	<input checked="" type="checkbox"/>	W	
Setpoint_Reference	<input checked="" type="checkbox"/>	R	
Setpoint	<input checked="" type="checkbox"/>	R	
Action	<input checked="" type="checkbox"/>	R	
Proportional_Constant	<input checked="" type="checkbox"/>	W	
Proportional_Constant_Units	<input checked="" type="checkbox"/>	W	
Integral_Constant	<input checked="" type="checkbox"/>	W	
Integral_Constant_Units	<input checked="" type="checkbox"/>	W	
Derivative_Constant	<input checked="" type="checkbox"/>	W	
Derivative_Constant_Units	<input checked="" type="checkbox"/>	W	
Bias	<input checked="" type="checkbox"/>	W	
Maximum_Output	<input checked="" type="checkbox"/>	W	
Minimum_Output	<input checked="" type="checkbox"/>	W	
Priority_For_Writing	<input checked="" type="checkbox"/>	R	
COV_Increment	<input checked="" type="checkbox"/>	W	
Profile_Name	<input checked="" type="checkbox"/>	R	

**Multistate Input**

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	W	
Object_Type	<input checked="" type="checkbox"/>	R	
Present_Value	<input checked="" type="checkbox"/>	W	
Description	<input checked="" type="checkbox"/>	W	
Device_Type	<input checked="" type="checkbox"/>	W	
Status_Flags	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	W	
Out_Of_Service	<input checked="" type="checkbox"/>	W	
Number_Of_States	<input checked="" type="checkbox"/>	R	
State_Text	<input checked="" type="checkbox"/>	W	
Profile_Name	<input checked="" type="checkbox"/>	R	

**Multistate Output**

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	W	
Object_Type	<input checked="" type="checkbox"/>	R	
Present_Value	<input checked="" type="checkbox"/>	W	
Description	<input checked="" type="checkbox"/>	W	
Device_Type	<input checked="" type="checkbox"/>	W	
Status_Flags	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	W	
Out_Of_Service	<input checked="" type="checkbox"/>	W	
Priority_Array	<input checked="" type="checkbox"/>	R	
Relinquish_Default	<input checked="" type="checkbox"/>	W	
Number_Of_States	<input checked="" type="checkbox"/>	R	
State_Text	<input checked="" type="checkbox"/>	W	
Profile_Name	<input checked="" type="checkbox"/>	R	

**Multistate Value**

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	W	
Object_Type	<input checked="" type="checkbox"/>	R	
Present_Value	<input checked="" type="checkbox"/>	W	
Description	<input checked="" type="checkbox"/>	W	
Status_Flags	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	R	
Out_Of_Service	<input checked="" type="checkbox"/>	W	
Priority_Array	<input checked="" type="checkbox"/>	R	
Relinquish_Default	<input checked="" type="checkbox"/>	W	
Number_Of_States	<input checked="" type="checkbox"/>	R	
State_Text	<input checked="" type="checkbox"/>	W	
Profile_Name	<input checked="" type="checkbox"/>	R	

**Notification Class**

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	W	
Object_Type	<input checked="" type="checkbox"/>	R	
Description	<input checked="" type="checkbox"/>	W	
Notification_Class	<input checked="" type="checkbox"/>	R	
Priority	<input checked="" type="checkbox"/>	W	
Ack_Required	<input checked="" type="checkbox"/>	W	
Recipient_List	<input checked="" type="checkbox"/>	W	
Profile_Name	<input checked="" type="checkbox"/>	R	

**Program**

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	W	
Object_Type	<input checked="" type="checkbox"/>	R	
Program_State	<input checked="" type="checkbox"/>	R	
Program_Change	<input checked="" type="checkbox"/>	W	
Reason_For_Halt	<input checked="" type="checkbox"/>	R	
Description_Of_Halt Description	<input checked="" type="checkbox"/>	R	
Status_Flags	<input checked="" type="checkbox"/>	W	
Reliability	<input checked="" type="checkbox"/>	R	
Out_Of_Service	<input checked="" type="checkbox"/>	R	
Profile_Name	<input checked="" type="checkbox"/>	R	

## Trend Log

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	W	
Object_Type	<input checked="" type="checkbox"/>	R	
Description	<input checked="" type="checkbox"/>	W	
Enable	<input checked="" type="checkbox"/>	W	
Start_Time	<input checked="" type="checkbox"/>	W	
Stop_Time	<input checked="" type="checkbox"/>	W	
Log_DeviceObjectProperty	<input checked="" type="checkbox"/>	W	
Log_Interval	<input checked="" type="checkbox"/>	W	
Stop_When_Full	<input checked="" type="checkbox"/>	W	
Buffer_Size	<input checked="" type="checkbox"/>	W	
Log_Buffer	<input checked="" type="checkbox"/>	R	
Record_Count	<input checked="" type="checkbox"/>	W	
Total_Record_Count	<input checked="" type="checkbox"/>	R	
Notification_Threshold	<input checked="" type="checkbox"/>	W	
Records_Since_Notification	<input checked="" type="checkbox"/>	R	
Last_Notify_Record	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Notification_Class	<input checked="" type="checkbox"/>	W	
Event_Enable	<input checked="" type="checkbox"/>	W	
Acked_Transitions	<input checked="" type="checkbox"/>	R	
Notify_Type	<input checked="" type="checkbox"/>	R	
Event_Time_Stamps	<input checked="" type="checkbox"/>	R	
Logging_Type	<input checked="" type="checkbox"/>	W	
Align_Intervals	<input checked="" type="checkbox"/>	W	
Interval_Offset	<input checked="" type="checkbox"/>	W	
COV_Resubscription_Interval	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	R	
Status_Flags	<input checked="" type="checkbox"/>	R	
Profile_Name	<input checked="" type="checkbox"/>	R	

Event-Log

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	W	
Object_Type	<input checked="" type="checkbox"/>	R	
Description	<input checked="" type="checkbox"/>	W	
Status_Flags	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	R	
Enable	<input checked="" type="checkbox"/>	W	
Start_Time	<input checked="" type="checkbox"/>	W	
Stop_Time	<input checked="" type="checkbox"/>	W	
Stop_When_Full	<input checked="" type="checkbox"/>	W	
Buffer_Size	<input checked="" type="checkbox"/>	W	
Log_Buffer	<input checked="" type="checkbox"/>	R	
Record_Count	<input checked="" type="checkbox"/>	W	
Total_Record_Count	<input checked="" type="checkbox"/>	R	
Notification_Threshold	<input checked="" type="checkbox"/>	W	
Records_Since_Notification	<input checked="" type="checkbox"/>	R	
Last_Notify_Record	<input checked="" type="checkbox"/>	R	
Notification_Class	<input checked="" type="checkbox"/>	W	
Event_Enable	<input checked="" type="checkbox"/>	W	
Acked_Transitions	<input checked="" type="checkbox"/>	R	
Notify_Type	<input checked="" type="checkbox"/>	R	
Event_Time_Stamps	<input checked="" type="checkbox"/>	R	
Profile_Name	<input checked="" type="checkbox"/>	R	



Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	W	
Object_Type	<input checked="" type="checkbox"/>	R	
Description	<input checked="" type="checkbox"/>	W	
Node_Type	<input checked="" type="checkbox"/>	R	
Node_Subtype	<input checked="" type="checkbox"/>	W	
Subordinate_List	<input checked="" type="checkbox"/>	W	
Subordinate_Annotations	<input checked="" type="checkbox"/>	W	
Profile_Name	<input checked="" type="checkbox"/>	R	

## 2.7 Segmentation capability

<input checked="" type="checkbox"/>	Able to transmit segmented messages	Window size	32
<input checked="" type="checkbox"/>	Able to receive segmented messages	Window size	32

## 2.8 Data Link Layer options

The simultaneously supported Data Link Layers of a product are listed with the product model number.

<input type="checkbox"/>	BACnet IP, (Annex J)	
<input checked="" type="checkbox"/>	BACnet IP, (Annex J), Foreign Device	
<input type="checkbox"/>	ISO 8802-3, Ethernet (Clause 7)	
<input type="checkbox"/>	ANSI/ATA 878.1, 2.5 Mb. ARCNET (Clause 8)	
<input type="checkbox"/>	ANSI/ATA 878.1, RS-485 ARCNET (Clause 8), baud rate(s)	
<input checked="" type="checkbox"/>	MS/TP master (Clause 9), baud rate(s)	: 9600 : 19200 : 38400 : 76800 : 115200
<input checked="" type="checkbox"/>	MS/TP slave (Clause 9), baud rate(s)	
<input type="checkbox"/>	Point-To-Point, EIA 232 (Clause 10), baud rate(s)	: 38400
<input type="checkbox"/>	Point-To-Point, modem, (Clause 10), baud rate(s)	: 38400
<input type="checkbox"/>	LonTalk, (Clause 11), medium	: TP/FT-10
<input type="checkbox"/>	Other	

## 2.9 Device address binding

Is static device binding supported?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
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## 2.10 Networking options

<input type="checkbox"/>	Router, Clause 6 (remote management functionality/BACnet PTP)
<input type="checkbox"/>	Annex H, BACnet Tunnelling Router over IP
<input type="checkbox"/>	BACnet/IP Broadcast Management Device (BBMD) Number of BDT entries: Number of FDT entries:
	Does the BBMD support registrations by foreign devices? <input type="checkbox"/> Yes <input type="checkbox"/> No

## 2.11 Character sets supported

Indicating support for multiple character sets does not imply that they can all be supported simultaneously.

<input checked="" type="checkbox"/> UTF-8 (or ANSI X3.4)	<input type="checkbox"/> IBM / Microsoft DBCS	<input type="checkbox"/> ISO 8859-1
<input type="checkbox"/> ISO 10646 (UCS-2)	<input type="checkbox"/> ISO 10646 (UCS-4)	<input type="checkbox"/> JIS C 6226

### 3 Desigo CC Workstation

<b>Date</b>	: October 6, 2014
<b>Vendor name</b>	: Siemens Building Technologies (Vendor ID 7)
<b>Product name</b>	: Desigo CC Workstation
<b>Product model number</b>	: 2.1
<b>BACnet protocol version</b>	: 1.13
<b>Application software version</b>	: 2.1
<b>Firmware revision</b>	: n/a

#### 3.1 Product description

Desigo CC from Siemens is an integration platform for managing facility systems and enterprise applications. Optimized as an extension of the powerful APOGEE automation system, Desigo CC allows full building operation as well as complete system configuration from the convenience of a standard web browser, from a dedicated console for mission-critical applications, or from a Windows Desktop App for optimal mobile performance. Users find the workflow driven interface, designed around role-based profiles and flexible user-defined views, easy to learn and easy to use as it grows with their expertise. Desigo CC is built on building automation, fire safety, security, video, and IT standards, and provides the application support necessary for automating intelligent control and providing actionable information.

#### 3.2 BACnet standardized device profile (Annex L)

<input checked="" type="checkbox"/>	BACnet Advanced Workstation	(B-AWS)
<input type="checkbox"/>	BACnet Operator Workstation	(B-OWS)
<input type="checkbox"/>	BACnet Operator Display	(B-OD)
<input type="checkbox"/>	BACnet Building Controller	(B-BC)
<input type="checkbox"/>	BACnet Advanced Application Controller	(B-AAC)
<input type="checkbox"/>	BACnet Application Specific Controller	(B-ASC)
<input type="checkbox"/>	BACnet Smart Sensor	(B-SS)
<input type="checkbox"/>	BACnet Smart Actuator	(B-SA)

### 3.3 BACnet interoperability building blocks supported (Annex K)

#### Data sharing

<input checked="" type="checkbox"/>	Data Sharing – ReadProperty-A	DS-RP-A
<input checked="" type="checkbox"/>	Data Sharing – ReadProperty-B	DS-RP-B
<input checked="" type="checkbox"/>	Data Sharing – ReadPropertyMultiple-A	DS-RPM-A
<input checked="" type="checkbox"/>	Data Sharing – ReadPropertyMultiple-B	DS-RPM-B
<input checked="" type="checkbox"/>	Data Sharing – WriteProperty-A	DS-WP-A
<input checked="" type="checkbox"/>	Data Sharing – WriteProperty-B	DS-WP-B
<input checked="" type="checkbox"/>	Data Sharing – WritePropertyMultiple-A	DS-WPM-A
<input type="checkbox"/>	Data Sharing – WritePropertyMultiple-B	DS-WPM-B
<input checked="" type="checkbox"/>	Data Sharing – ChangeofValue -A	DS-COV-A
<input type="checkbox"/>	Data Sharing – ChangeofValue -B	DS-COV-B
<input checked="" type="checkbox"/>	Data Sharing – ChangeofValueProperty -A	DS-COVP-A
<input type="checkbox"/>	Data Sharing – ChangeofValueProperty -B	DS-COVP-B
<input checked="" type="checkbox"/>	Data Sharing – View-A	DS-V-A
<input checked="" type="checkbox"/>	Data Sharing – Advanced View-A	DS-AV-A
<input checked="" type="checkbox"/>	Data Sharing – Modify-A	DS-M-A
<input checked="" type="checkbox"/>	Data Sharing – Advanced Modify-A	DS-AM-A

#### Alarm and event management

<input checked="" type="checkbox"/>	Alarm and Event – Notification-A	AE-N-A
<input type="checkbox"/>	Alarm and Event – Notification Internal-B	AE-N-I-B
<input type="checkbox"/>	Alarm and Event – Notification External-B	AE-N-E-B
<input checked="" type="checkbox"/>	Alarm and Event – ACK-A	AE-ACK-A
<input type="checkbox"/>	Alarm and Event – ACK-B	AE-ACK-B
<input type="checkbox"/>	Alarm and Event – Alarm Summary-B	AE-ASUM-B
<input type="checkbox"/>	Alarm and Event – Enrollment Summary-B	AE-ESUM-B
<input type="checkbox"/>	Alarm and Event – Information-B	AE-INFO-B
<input checked="" type="checkbox"/>	Alarm and Event – LifeSafety-A	AE-LS-A
<input type="checkbox"/>	Alarm and Event – LifeSafety-B	AE-LS-B
<input checked="" type="checkbox"/>	Alarm and Event – View Notifications-A	AE-VN-A
<input checked="" type="checkbox"/>	Alarm and Event – Advanced View Notifications-A	AE-AVN-A
<input checked="" type="checkbox"/>	Alarm and Event – View and Modify-A	AE-VM-A
<input checked="" type="checkbox"/>	Alarm and Event – Advanced View and Modify-A	AE-AVM-A
<input checked="" type="checkbox"/>	Alarm and Event – Alarm Summary View-A	AE-AS-A
<input checked="" type="checkbox"/>	Alarm and Event – Event Log View-A	AE-ELV-A
<input checked="" type="checkbox"/>	Alarm and Event – Event Log View and Modify-A	AE-ELVM-A
<input type="checkbox"/>	Alarm and Event – Event Log-Internal-B	AE-EL-I-B
<input type="checkbox"/>	Alarm and Event – Event Log-External-B	AE-EL-E-B

**Alarm and event management**

**Historical/Deprecated BIBBs**

<input checked="" type="checkbox"/>	Alarm and Event – Alarm Summary-A	AE-ASUM-A
<input checked="" type="checkbox"/>	Alarm and Event – Enrollment Summary-A	AE-ESUM-A
<input checked="" type="checkbox"/>	Alarm and Event – Information-A	AE-INFO-A

**Scheduling**

<input type="checkbox"/>	Scheduling – Internal-B	SCHED-I-B
<input type="checkbox"/>	Scheduling – External-B	SCHED-E-B
<input checked="" type="checkbox"/>	Scheduling – View Modify-A	SCHED-VM-A
<input checked="" type="checkbox"/>	Scheduling – Advanced View Modify-A	SCHED-AVM-A
<input checked="" type="checkbox"/>	Scheduling – Weekly Schedule-A	SCHED-WS-A
<input type="checkbox"/>	Scheduling – Weekly Schedule Internal-B	SCHED-WS-I-B
<input type="checkbox"/>	Scheduling – Readable-B	SCHED-R-B

**Historical/Deprecated BIBBs**

<input type="checkbox"/>	Scheduling – A	SCHED-A
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**Trending**

<input type="checkbox"/>	Trending – Viewing and Modifying Trends Internal-B	T-VMT-I-B
<input type="checkbox"/>	Trending – Viewing and Modifying Trends External-B	T-VMT-E-B
<input type="checkbox"/>	Trending – Viewing and Modifying Multiple Values Internal-B	T-VMMV-I-B
<input type="checkbox"/>	Trending – Viewing and Modifying Multiple Values External-B	T-VMMV-E-B
<input checked="" type="checkbox"/>	Trending – Automated Multiple Value Retrieval-A	T-AMVR-A
<input type="checkbox"/>	Trending – Automated Multiple Value Retrieval-B	T-AMVR-B
<input checked="" type="checkbox"/>	Trending – View-A	T-V-A
<input checked="" type="checkbox"/>	Trending – Advanced View and Modify-A	T-AVM-A
<input checked="" type="checkbox"/>	Trending – Archival-A	T-A-A
<input checked="" type="checkbox"/>	Trending – Automated Trend Retrieval-A	T-ATR-A
<input type="checkbox"/>	Trending – Automated Trend Retrieval-B	T-ATR-B

**Historical/Deprecated BIBBs**

<input type="checkbox"/>	Trending – Viewing and Modifying Trends-A	T-VMT-A
<input type="checkbox"/>	Trending – Viewing and Modifying Multiple Values-A	T-VMMV-A

**Device management**

<input checked="" type="checkbox"/>	Device Management – Dynamic Device Binding-A	DM-DDB-A
<input checked="" type="checkbox"/>	Device Management – Dynamic Device Binding-B	DM-DDB-B
<input checked="" type="checkbox"/>	Device Management – Dynamic Object Binding-A	DM-DOB-A
<input checked="" type="checkbox"/>	Device Management – Dynamic Object Binding-B	DM-DOB-B
<input checked="" type="checkbox"/>	Device Management – DeviceCommunicationControl-A	DM-DCC-A
<input type="checkbox"/>	Device Management – DeviceCommunicationControl-B	DM-DCC-B
<input type="checkbox"/>	Device Management – Private Transfer-A	DM-PT-A
<input type="checkbox"/>	Device Management – Private Transfer-B	DM-PT-B
<input checked="" type="checkbox"/>	Device Management – Text Message-A	DM-TM-A
<input type="checkbox"/>	Device Management – Text Message-B	DM-TM-B
<input checked="" type="checkbox"/>	Device Management – TimeSynchronization-A	DM-TS-A

**Device management**

<input type="checkbox"/>	Device Management – TimeSynchronization-B	DM-TS-B
<input checked="" type="checkbox"/>	Device Management – UTCTimeSynchronization-A	DM-UTC-A
<input type="checkbox"/>	Device Management – UTCTimeSynchronization-B	DM-UTC-B
<input checked="" type="checkbox"/>	Device Management – ReinitializeDevice-A	DM-RD-A
<input type="checkbox"/>	Device Management – ReinitializeDevice-B	DM-RD-B
<input checked="" type="checkbox"/>	Device Management – Backup and Restore-A	DM-BR-A
<input type="checkbox"/>	Device Management – Backup and Restore-B	DM-BR-B
<input type="checkbox"/>	Device Management – Restart-A	DM-R-A
<input type="checkbox"/>	Device Management – Restart-B	DM-R-B
<input checked="" type="checkbox"/>	Device Management – List Manipulation-A	DM-LM-A
<input checked="" type="checkbox"/>	Device Management – List Manipulation-B	DM-LM-B
<input checked="" type="checkbox"/>	Device Management – Object Creation and Deletion-A	DM-OCD-A
<input type="checkbox"/>	Device Management – Object Creation and Deletion-B	DM-OCD-B
<input type="checkbox"/>	Device Management – Virtual Terminal-A	DM-VT-A
<input type="checkbox"/>	Device Management – Virtual Terminal-B	DM-VT-B
<input checked="" type="checkbox"/>	Device Management – Automatic Network Mapping-A	DM-ANM-A
<input checked="" type="checkbox"/>	Device Management – Automatic Device Mapping-A	DM-ADM-A
<input checked="" type="checkbox"/>	Device Management – Automatic Time Synchronization-A	DM-ATS-A
<input checked="" type="checkbox"/>	Device Management – Manual Time Synchronization-A	DM-MTS-A

**Network management**

<input checked="" type="checkbox"/>	Network Management – Connection Establishment-A	NM-CE-A
<input type="checkbox"/>	Network Management – Connection Establishment-B	NM-CE-B
<input type="checkbox"/>	Network Management – Router Configuration-A	NM-RC-A
<input type="checkbox"/>	Network Management – Router Configuration-B	NM-RC-B

### 3.4 Standard object types supported

Only the device object is supported.

Device	Properties	monitor	modify
	Object_Identifier	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Object_Name	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Object_Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	System_Status	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Vendor_Name	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Vendor_Identifier	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Model_Name	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Firmware_Revision	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Application_Software_Version	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Location	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Description	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Protocol_Version	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Protocol_Revision	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Protocol_Services_Supported	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Protocol_Object_Types_Supported	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Object_List	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Structured_Object_List	<input type="checkbox"/>	<input type="checkbox"/>
	Max_APDU_Length_Accepted	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Segmentation_Supported	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Max_Segments_Accepted	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	VT_Classes_Supported	<input type="checkbox"/>	<input type="checkbox"/>
	Active_VT_Sessions	<input type="checkbox"/>	<input type="checkbox"/>
	Local_Time	<input type="checkbox"/>	<input type="checkbox"/>
	Local_Date	<input type="checkbox"/>	<input type="checkbox"/>
	UTC_Offset	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Daylight_Savings_Status	<input type="checkbox"/>	<input type="checkbox"/>
	APDU_Segment_Timeout	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	APDU_Timeout	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Number_Of_APDU_Retries	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	List_Of_Session_Keys	<input type="checkbox"/>	<input type="checkbox"/>
	Time_Synchronization_Recipients	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Max_Master	<input type="checkbox"/>	<input type="checkbox"/>
	Max_Info_Frames	<input type="checkbox"/>	<input type="checkbox"/>
	Device_Address_Binding	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Database_Revision	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Configuration_Files	<input type="checkbox"/>	<input type="checkbox"/>
	Last_Restore_Time	<input type="checkbox"/>	<input type="checkbox"/>
	Backup_Failure_Timeout	<input type="checkbox"/>	<input type="checkbox"/>
	Active_COV_Subscriptions	<input type="checkbox"/>	<input type="checkbox"/>
	Slave_Proxy_Enable	<input type="checkbox"/>	<input type="checkbox"/>
	Manual_Slave_Address_Binding	<input type="checkbox"/>	<input type="checkbox"/>
	Auto_Slave_Discovery	<input type="checkbox"/>	<input type="checkbox"/>

Properties	monitor	modify
Slave_Address_Binding	<input type="checkbox"/>	<input type="checkbox"/>
Last_Restart_Reason	<input type="checkbox"/>	<input type="checkbox"/>
Time_Of_Device_Restart	<input type="checkbox"/>	<input type="checkbox"/>
Restart_Notification_Recipients	<input type="checkbox"/>	<input type="checkbox"/>
UTC_Time_Synchronization_Recipients	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Time_Synchronization_Interval	<input type="checkbox"/>	<input type="checkbox"/>
Align_Intervals	<input type="checkbox"/>	<input type="checkbox"/>
Interval_Offset	<input type="checkbox"/>	<input type="checkbox"/>
Serial_Number	<input type="checkbox"/>	<input type="checkbox"/>
Property_List	<input type="checkbox"/>	<input type="checkbox"/>
Profile_Name	<input checked="" type="checkbox"/>	<input type="checkbox"/>



## 3.5 Client supported object types

Object type	Supported	Can be created dynamically	Can be deleted dynamically
Analog Input	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analog Output	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analog Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Binary Input	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Binary Output	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Binary Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Calendar	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Command	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Device	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Event Enrollment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
File	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Group	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Loop	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi-State Input	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi-State Output	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Notification Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Program	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Schedule	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Averaging	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi-State Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trend Log	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Life-Safety-Point	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Life-Safety-Zone	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Accumulator	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pulse-Converter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Event Log	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Global Group	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trend Log Multiple	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Load Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Structured-View	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Door	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Credential	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Point	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Rights	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access User	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Zone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Credential Data Input	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Network Security	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bitstring Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Characterstring Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Object type	Supported	Can be created dynamically	Can be deleted dynamically
Date Pattern Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Date Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Datetime Pattern Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Datetime Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Integer Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Large Analog Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Octetstring Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Positive Integer Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Time Pattern Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Time Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Notification Forwarder	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alert Enrollment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Channel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lighting Output	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### 3.6 Segmentation capability

<input checked="" type="checkbox"/>	Able to transmit segmented messages	Window size	32
<input checked="" type="checkbox"/>	Able to receive segmented messages	Window size	32

### 3.7 Data Link Layer options

<input checked="" type="checkbox"/>	BACnet IP, (Annex J)		
<input checked="" type="checkbox"/>	BACnet IP, (Annex J), Foreign Device		
<input checked="" type="checkbox"/>	ISO 8802-3, Ethernet (Clause 7)		
<input type="checkbox"/>	ANSI/ATA 878.1, 2.5 Mb. ARCNET (Clause 8)		
<input type="checkbox"/>	ANSI/ATA 878.1, RS-485 ARCNET (Clause 8), baud rate(s)		
<input type="checkbox"/>	MS/TP master (Clause 9), baud rate(s)		
<input type="checkbox"/>	MS/TP slave (Clause 9), baud rate(s)		
<input type="checkbox"/>	Point-To-Point, EIA 232 (Clause 10), baud rate(s)		: Max. 38400
<input type="checkbox"/>	Point-To-Point, modem, (Clause 10), baud rate(s)		: Max. 38400
<input type="checkbox"/>	LonTalk, (Clause 11), medium:		: TP/FT-10
<input type="checkbox"/>	Other		

### 3.8 Device address binding

Is static device binding supported?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
-------------------------------------	-----------------------------------------	-----------------------------

### 3.9 Networking options

<input type="checkbox"/>	Router, Clause 6		
<input type="checkbox"/>	Annex H, BACnet Tunnelling Router over IP		
<input checked="" type="checkbox"/>	BACnet/IP Broadcast Management Device (BBMD)		
	Does the BBMD support registrations by Foreign Devices?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

### 3.10 Character sets supported

Indicating support for multiple character sets does not imply that they can all be supported simultaneously.

<input checked="" type="checkbox"/> UTF-8	<input type="checkbox"/> IBM / Microsoft DBCS	<input checked="" type="checkbox"/> ISO 8859-1
<input checked="" type="checkbox"/> ISO 10646 (UCS-2)	<input type="checkbox"/> ISO 10646 (UCS-4)	<input type="checkbox"/> JIS C 6226

## 4 Desigo Insight Workstation

<b>Date</b>	:
<b>Vendor name</b>	: Siemens Building Technologies (Vendor ID 7)
<b>Product name</b>	: Desigo Insight Workstation
<b>Product model number</b>	: -
<b>BACnet protocol version</b>	: 1.13
<b>Application software version</b>	: -
<b>Firmware revision</b>	: INSIGHT Rel 6

### 4.1 Product description

Desigo Insight is the BACnet management station for the Desigo system. Desigo Insight is represented in the network as a BACnet device, which contains a device object only.

### 4.2 BACnet standardized device profile (Annex L)

<input checked="" type="checkbox"/>	BACnet Advanced Workstation	(B-AWS)
<input type="checkbox"/>	BACnet Operator Workstation	(B-OWS)
<input type="checkbox"/>	BACnet Operator Display	(B-OD)
<input type="checkbox"/>	BACnet Building Controller	(B-BC)
<input type="checkbox"/>	BACnet Advanced Application Controller	(B-AAC)
<input type="checkbox"/>	BACnet Application Specific Controller	(B-ASC)
<input type="checkbox"/>	BACnet Smart Sensor	(B-SS)
<input type="checkbox"/>	BACnet Smart Actuator	(B-SA)

## 4.3 BACnet interoperability building blocks supported (Annex K)

### Data sharing

<input checked="" type="checkbox"/>	Data Sharing – ReadProperty-A	DS-RP-A
<input checked="" type="checkbox"/>	Data Sharing – ReadProperty-B	DS-RP-B
<input checked="" type="checkbox"/>	Data Sharing – ReadPropertyMultiple-A	DS-RPM-A
<input checked="" type="checkbox"/>	Data Sharing – ReadPropertyMultiple-B	DS-RPM-B
<input checked="" type="checkbox"/>	Data Sharing – WriteProperty-A	DS-WP-A
<input checked="" type="checkbox"/>	Data Sharing – WriteProperty-B	DS-WP-B
<input checked="" type="checkbox"/>	Data Sharing – WritePropertyMultiple-A	DS-WPM-A
<input type="checkbox"/>	Data Sharing – WritePropertyMultiple-B	DS-WPM-B
<input checked="" type="checkbox"/>	Data Sharing – ChangeofValue-A	DS-COV-A
<input type="checkbox"/>	Data Sharing – ChangeofValue-B	DS-COV-B
<input checked="" type="checkbox"/>	Data Sharing – ChangeofValueProperty-A	DS-COVP-A
<input type="checkbox"/>	Data Sharing – ChangeofValueProperty-B	DS-COVP-B
<input type="checkbox"/>	Data Sharing – ChangeofValue-Unsolicited-A	DS-COVU-A
<input type="checkbox"/>	Data Sharing – ChangeofValue-Unsolicited-B	DS-COVU-B
<input checked="" type="checkbox"/>	Data Sharing – View-A	DS-V-A
<input checked="" type="checkbox"/>	Data Sharing – Advanced View-A	DS-AV-A
<input checked="" type="checkbox"/>	Data Sharing – Modify-A	DS-M-A
<input checked="" type="checkbox"/>	Data Sharing – Advanced Modify-A	DS-AM-A

### Alarm and event management

<input checked="" type="checkbox"/>	Alarm and Event – Notification-A	AE-N-A
<input type="checkbox"/>	Alarm and Event – Notification Internal-B	AE-N-I-B
<input type="checkbox"/>	Alarm and Event – Notification External-B	AE-N-E-B
<input checked="" type="checkbox"/>	Alarm and Event – ACK-A	AE-ACK-A
<input type="checkbox"/>	Alarm and Event – ACK-B	AE-ACK-B
<input type="checkbox"/>	Alarm and Event – Alarm Summary-B	AE-ASUM-B
<input type="checkbox"/>	Alarm and Event – Enrollment Summary-B	AE-ESUM-B
<input type="checkbox"/>	Alarm and Event – Information-B	AE-INFO-B
<input type="checkbox"/>	Alarm and Event – LifeSafety-A	AE-LS-A
<input type="checkbox"/>	Alarm and Event – LifeSafety-B	AE-LS-B
<input checked="" type="checkbox"/>	Alarm and Event – View Notifications-A	AE-VN-A
<input checked="" type="checkbox"/>	Alarm and Event – Advanced View Notifications-A	AE-AVN-A
<input checked="" type="checkbox"/>	Alarm and Event – View and Modify-A	AE-VM-A
<input checked="" type="checkbox"/>	Alarm and Event – Advanced View and Modify-A	AE-AVM-A
<input checked="" type="checkbox"/>	Alarm and Event – Alarm Summary View-A	AE-AS-A
<input checked="" type="checkbox"/>	Alarm and Event – Event Log View-A	AE-ELV-A
<input checked="" type="checkbox"/>	Alarm and Event – Event Log View and Modify-A	AE-ELVM-A
<input type="checkbox"/>	Alarm and Event – Event Log-Internal-B	AE-EL-I-B
<input type="checkbox"/>	Alarm and Event – Event Log-External-B	AE-EL-E-B

**Alarm and event management**

**Historical/Deprecated BIBBs**

<input checked="" type="checkbox"/>	Alarm and Event – Alarm Summary-A	AE-ASUM-A
<input checked="" type="checkbox"/>	Alarm and Event – Enrollment Summary-A	AE-ESUM-A
<input checked="" type="checkbox"/>	Alarm and Event – Information-A	AE-INFO-A

**Scheduling**

<input type="checkbox"/>	Scheduling – Internal-B	SCHE-I-B
<input type="checkbox"/>	Scheduling – External-B	SCHE-E-B
<input checked="" type="checkbox"/>	Scheduling – View Modify-A	SCHE-VM-A
<input checked="" type="checkbox"/>	Scheduling – Advanced View Modify-A	SCHE-AVM-A
<input checked="" type="checkbox"/>	Scheduling – Weekly Schedule-A	SCHE-WS-A
<input type="checkbox"/>	Scheduling – Weekly Schedule Internal-B	SCHE-WS-I-B
<input type="checkbox"/>	Scheduling – Readable-B	SCHE-R-B

**Historical/Deprecated BIBBs**

<input checked="" type="checkbox"/>	Scheduling – A	SCHE-A
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**Trending**

<input type="checkbox"/>	Trending – Viewing and Modifying Trends Internal-B	T-VMT-I-B
<input type="checkbox"/>	Trending – Viewing and Modifying Trends External-B	T-VMT-E-B
<input type="checkbox"/>	Trending – Viewing and Modifying Multiple Values Internal-B	T-VMMV-I-B
<input type="checkbox"/>	Trending – Viewing and Modifying Multiple Values External-B	T-VMMV-E-B
<input checked="" type="checkbox"/>	Trending – Automated Multiple Value Retrieval-A	T-AMVR-A
<input type="checkbox"/>	Trending – Automated Multiple Value Retrieval-B	T-AMVR-B
<input checked="" type="checkbox"/>	Trending – View-A	T-V-A
<input checked="" type="checkbox"/>	Trending – Advanced View and Modify-A	T-AVM-A
<input checked="" type="checkbox"/>	Trending – Archival-A	T-A-A
<input checked="" type="checkbox"/>	Trending – Automated Trend Retrieval-A	T-ATR-A
<input type="checkbox"/>	Trending – Automated Trend Retrieval-B	T-ATR-B

**Historical/Deprecated BIBBs**

<input checked="" type="checkbox"/>	Trending – Viewing and Modifying Trends-A	T-VMT-A
<input checked="" type="checkbox"/>	Trending – Viewing and Modifying Multiple Values-A	T-VMMV-A

**Device management**

<input checked="" type="checkbox"/>	Device Management – Dynamic Device Binding-A	DM-DDB-A
<input checked="" type="checkbox"/>	Device Management – Dynamic Device Binding-B	DM-DDB-B
<input checked="" type="checkbox"/>	Device Management – Dynamic Object Binding-A	DM-DOB-A
<input checked="" type="checkbox"/>	Device Management – Dynamic Object Binding-B	DM-DOB-B
<input checked="" type="checkbox"/>	Device Management – DeviceCommunicationControl-A	DM-DCC-A
<input type="checkbox"/>	Device Management – DeviceCommunicationControl-B	DM-DCC-B
<input type="checkbox"/>	Device Management – Private Transfer-A	DM-PT-A
<input type="checkbox"/>	Device Management – Private Transfer-B	DM-PT-B
<input type="checkbox"/>	Device Management – Text Message-A	DM-TM-A
<input type="checkbox"/>	Device Management – Text Message-B	DM-TM-B
<input checked="" type="checkbox"/>	Device Management – TimeSynchronization-A	DM-TS-A

**Device management**

<input type="checkbox"/>	Device Management – TimeSynchronization-B	DM-TS-B
<input checked="" type="checkbox"/>	Device Management – UTCTimeSynchronization-A	DM-UTC-A
<input type="checkbox"/>	Device Management – UTCTimeSynchronization-B	DM-UTC-B
<input checked="" type="checkbox"/>	Device Management – ReinitializeDevice-A	DM-RD-A
<input type="checkbox"/>	Device Management – ReinitializeDevice-B	DM-RD-B
<input checked="" type="checkbox"/>	Device Management – Backup and Restore-A	DM-BR-A
<input type="checkbox"/>	Device Management – Backup and Restore-B	DM-BR-B
<input checked="" type="checkbox"/>	Device Management – Restart-A	DM-R-A
<input type="checkbox"/>	Device Management – Restart-B	DM-R-B
<input checked="" type="checkbox"/>	Device Management – List Manipulation-A	DM-LM-A
<input type="checkbox"/>	Device Management – List Manipulation-B	DM-LM-B
<input checked="" type="checkbox"/>	Device Management – Object Creation and Deletion-A	DM-OCD-A
<input type="checkbox"/>	Device Management – Object Creation and Deletion-B	DM-OCD-B
<input type="checkbox"/>	Device Management – Virtual Terminal-A	DM-VT-A
<input type="checkbox"/>	Device Management – Virtual Terminal-B	DM-VT-B
<input checked="" type="checkbox"/>	Device Management – Automatic Network Mapping-A	DM-ANM-A
<input checked="" type="checkbox"/>	Device Management – Automatic Device Mapping-A	DM-ADM-A
<input type="checkbox"/>	Device Management – Automatic Time Synchronization-A	DM-ATS-A
<input checked="" type="checkbox"/>	Device Management – Manual Time Synchronization-A	DM-MTS-A

**Network management**

<input type="checkbox"/>	Network Management – Connection Establishment-A	NM-CE-A
<input type="checkbox"/>	Network Management – Connection Establishment-B	NM-CE-B
<input type="checkbox"/>	Network Management – Router Configuration-A	NM-RC-A
<input type="checkbox"/>	Network Management – Router Configuration-B	NM-RC-B

## 4.4 Standard object types supported

Only the device object is supported.

Device

Properties	Supported	Readable/ Writeable
Object_Identifier	<input checked="" type="checkbox"/>	R
Object_Name	<input checked="" type="checkbox"/>	R
Object_Type	<input checked="" type="checkbox"/>	R
System_Status	<input checked="" type="checkbox"/>	R
Vendor_Name	<input checked="" type="checkbox"/>	R
Vendor_Identifier	<input checked="" type="checkbox"/>	R
Model_Name	<input checked="" type="checkbox"/>	R
Firmware_Revision	<input checked="" type="checkbox"/>	R
Application_Software_Version	<input checked="" type="checkbox"/>	R
Location	<input checked="" type="checkbox"/>	R
Description	<input checked="" type="checkbox"/>	R
Protocol_Version	<input checked="" type="checkbox"/>	R
Protocol_Revision	<input checked="" type="checkbox"/>	R
Protocol_Services_Supported	<input checked="" type="checkbox"/>	R
Protocol_Object_Types_Supported	<input checked="" type="checkbox"/>	R
Object_List	<input checked="" type="checkbox"/>	R
Structured_Object_List	<input type="checkbox"/>	R
Max_APDU_Length_Accepted	<input checked="" type="checkbox"/>	R
Segmentation_Supported	<input checked="" type="checkbox"/>	R
Max_Segments_Accepted	<input checked="" type="checkbox"/>	R
VT_Classes_Supported	<input type="checkbox"/>	R
Active_VT_Sessions	<input type="checkbox"/>	R
Local_Time	<input type="checkbox"/>	R
Local_Date	<input type="checkbox"/>	R
UTC_Offset	<input type="checkbox"/>	R
Daylight_Savings_Status	<input type="checkbox"/>	R
APDU_Segment_Timeout	<input checked="" type="checkbox"/>	R
APDU_Timeout	<input checked="" type="checkbox"/>	R
Number_Of_APDU_Retries	<input checked="" type="checkbox"/>	R
List_Of_Session_Keys	<input type="checkbox"/>	R
Time_Synchronization_Recipients	<input type="checkbox"/>	W
Max_Master	<input type="checkbox"/>	R
Max_Info_Frames	<input type="checkbox"/>	R
Device_Address_Binding	<input checked="" type="checkbox"/>	R
Database_Revision	<input checked="" type="checkbox"/>	R
Configuration_Files	<input type="checkbox"/>	R
Last_Restore_Time	<input type="checkbox"/>	R
Backup_Failure_Timeout	<input type="checkbox"/>	R
Active_COV_Subscriptions	<input type="checkbox"/>	R
Slave_Proxy_Enable	<input type="checkbox"/>	R
Manual_Slave_Adress_Binding	<input type="checkbox"/>	R



Properties	Supported	Readable/ Writable
Auto_Slave_Discovery	<input type="checkbox"/>	R
Slave_Address_Binding	<input type="checkbox"/>	R
Last_Restart_Reason	<input type="checkbox"/>	R
Time_Of_Device_Restart	<input type="checkbox"/>	R
Restart_Notification_Recipients	<input type="checkbox"/>	R
UTC_Time_Synchronization_Recipients	<input type="checkbox"/>	W
Time_Synchronization_Interval	<input type="checkbox"/>	R
Align_Intervals	<input type="checkbox"/>	R
Interval_Offset	<input type="checkbox"/>	R
Serial_Number	<input type="checkbox"/>	R
Profile_Name	<input type="checkbox"/>	R

## 4.5 Client supported object types

Object type	Supported	Can be created dynamically	Can be deleted dynamically
Analog Input	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analog Output	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analog Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Binary Input	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Binary Output	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Binary Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Calendar	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Command	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Device	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Event Enrollment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
File	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Group	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Loop	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi-State Input	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi-State Output	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Notification Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Program	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Schedule	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Averaging	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi-State Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trend Log	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Life-Safety-Point	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Life-Safety-Zone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Accumulator	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pulse-Converter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Event Log	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Global Group	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trend Log Multiple	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Load Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Structured-View	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Door	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Credential	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Point	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Rights	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access User	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Zone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Credential Data Input	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Network Security	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bitstring Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Characterstring Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Object type	Supported	Can be created dynamically	Can be deleted dynamically
Date Pattern Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Date Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Datetime Pattern Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Datetime Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Integer Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Large Analog Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Octetstring Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Positive Integer Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Time Pattern Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Time Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Notification Forwarder	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alert Enrollment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## 4.6 Segmentation capability

<input checked="" type="checkbox"/>	Able to transmit segmented messages	Window size	4
<input checked="" type="checkbox"/>	Able to receive segmented messages	Window size	4

## 4.7 Data Link Layer options

<input checked="" type="checkbox"/>	BACnet IP, (Annex J)	
<input checked="" type="checkbox"/>	BACnet IP, (Annex J), Foreign Device	
<input type="checkbox"/>	ISO 8802-3, Ethernet (Clause 7)	
<input type="checkbox"/>	ANSI/ATA 878.1, 2.5 Mb. ARCNET (Clause 8)	
<input type="checkbox"/>	ANSI/ATA 878.1, RS-485 ARCNET (Clause 8), baud rate(s)	
<input type="checkbox"/>	MS/TP master (Clause 9), baud rate(s)	
<input type="checkbox"/>	MS/TP slave (Clause 9), baud rate(s)	
<input checked="" type="checkbox"/>	Point-To-Point, EIA 232 (Clause 10), baud rate(s)	: Max. 38400
<input checked="" type="checkbox"/>	Point-To-Point, modem, (Clause 10), baud rate(s)	: Max. 38400
<input checked="" type="checkbox"/>	LonTalk, (Clause 11), medium:	: TP/FT-10
<input type="checkbox"/>	Other	

## 4.8 Device address binding

Is static device binding supported?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
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## 4.9 Networking options

<input type="checkbox"/>	Router, Clause 6	
<input type="checkbox"/>	Annex H, BACnet Tunnelling Router over IP	
<input type="checkbox"/>	BACnet/IP Broadcast Management Device (BBMD)	
	Does the BBMD support registrations by Foreign Devices?	<input type="checkbox"/> Yes <input type="checkbox"/> No

## 4.10 Character sets supported

Indicating support for multiple character sets does not imply that they can all be supported simultaneously.

<input checked="" type="checkbox"/> UTF-8	<input type="checkbox"/> IBM / Microsoft DBCS	<input checked="" type="checkbox"/> ISO 8859-1
<input checked="" type="checkbox"/> ISO 10646 (UCS-2)	<input type="checkbox"/> ISO 10646 (UCS-4)	<input type="checkbox"/> JIS C 6226

## 5 Desigo PXM20 Operator Unit

<b>Date</b>	: 21 June 2013
<b>Vendor name</b>	: Siemens Building Technologies (Vendor ID 7)
<b>Product name</b>	: Desigo PX automation station
<b>Product model number</b>	: PXM20, PXM20-E
<b>BACnet protocol version</b>	: 1.12
<b>Application software version</b>	–
<b>Firmware revision</b>	: V5.10

### 5.1 Product description

The Desigo PXM20 operator unit ensures the convenient display and operation of Desigo PXC automation stations via BACnet network communication. The graphics based display with clear text and direct access via the keyboard ensures a most user-friendly operation.

All values visible in the system can be displayed in accordance with the defined operator profile. Typical displays: display of current values, set point and parameter settings, maintenance and error messages, alarm lists and single alarm messages with acknowledgement option and/or reset, definition of time schedulers (7-day schedules and exception programs), plant switching, login and password inputs. An integrated common alarm message system with acoustic and visual indication is provided.

### 5.2 BACnet standardized device profile (Annex L)

<input type="checkbox"/>	BACnet Advanced Workstation	(B-AWS)
<input type="checkbox"/>	BACnet Operator Workstation	(B-OWS)
<input type="checkbox"/>	BACnet Operator Display	(B-OD)
<input type="checkbox"/>	BACnet Building Controller	(B-BC)
<input type="checkbox"/>	BACnet Advanced Application Controller	(B-AAC)
<input type="checkbox"/>	BACnet Application Specific Controller	(B-ASC)
<input type="checkbox"/>	BACnet Smart Sensor	(B-SS)
<input type="checkbox"/>	BACnet Smart Actuator	(B-SA)

## 5.3 BACnet interoperability building blocks supported (Annex K)

### Data sharing

<input checked="" type="checkbox"/>	Data Sharing – ReadProperty-A	DS-RP-A
<input checked="" type="checkbox"/>	Data Sharing – ReadProperty-B	DS-RP-B
<input checked="" type="checkbox"/>	Data Sharing – ReadPropertyMultiple-A	DS-RPM-A
<input checked="" type="checkbox"/>	Data Sharing – ReadPropertyMultiple-B	DS-RPM-B
<input checked="" type="checkbox"/>	Data Sharing – WriteProperty-A	DS-WP-A
<input checked="" type="checkbox"/>	Data Sharing – WriteProperty-B	DS-WP-B
<input type="checkbox"/>	Data Sharing – WritePropertyMultiple-A	DS-WPM-A
<input type="checkbox"/>	Data Sharing – WritePropertyMultiple-B	DS-WPM-B
<input checked="" type="checkbox"/>	Data Sharing – ChangeofValue -A	DS-COV-A
<input type="checkbox"/>	Data Sharing – ChangeofValue -B	DS-COV-B
<input checked="" type="checkbox"/>	Data Sharing – ChangeofValueProperty -A	DS-COVP-A
<input type="checkbox"/>	Data Sharing – ChangeofValueProperty -B	DS-COVP-B
<input type="checkbox"/>	Data Sharing – ChangeofValue-Unsolicited-A	DS-COVU-A
<input type="checkbox"/>	Data Sharing – ChangeofValue-Unsolicited-B	DS-COVU-B
<input type="checkbox"/>	Data Sharing – View-A	DS-V-A
<input type="checkbox"/>	Data Sharing – Advanced View-A	DS-AV-A
<input type="checkbox"/>	Data Sharing – Modify-A	DS-M-A
<input type="checkbox"/>	Data Sharing – Advanced Modify-A	DS-AM-A

### Alarm and event management

<input checked="" type="checkbox"/>	Alarm and Event – Notification-A	AE-N-A
<input type="checkbox"/>	Alarm and Event – Notification Internal-B	AE-N-I-B
<input type="checkbox"/>	Alarm and Event – Notification External-B	AE-N-E-B
<input checked="" type="checkbox"/>	Alarm and Event – ACK-A	AE-ACK-A
<input type="checkbox"/>	Alarm and Event – ACK-B	AE-ACK-B
<input type="checkbox"/>	Alarm and Event – Alarm Summary-A	AE-ASUM-A
<input type="checkbox"/>	Alarm and Event – Alarm Summary-B	AE-ASUM-B
<input type="checkbox"/>	Alarm and Event – Enrollment Summary-A	AE-ESUM-A
<input type="checkbox"/>	Alarm and Event – Enrollment Summary-B	AE-ESUM-B
<input checked="" type="checkbox"/>	Alarm and Event – Information-A	AE-INFO-A
<input type="checkbox"/>	Alarm and Event – Information-B	AE-INFO-B
<input type="checkbox"/>	Alarm and Event – LifeSafety-A	AE-LS-A
<input type="checkbox"/>	Alarm and Event – LifeSafety-B	AE-LS-B
<input type="checkbox"/>	Alarm and Event – View Notifications-A	AE-VN-A
<input type="checkbox"/>	Alarm and Event – Advanced View Notifications-A	AE-AVN-A
<input type="checkbox"/>	Alarm and Event – View and Modify-A	AE-VM-A
<input type="checkbox"/>	Alarm and Event – Advanced View and Modify-A	AE-AVM-A
<input type="checkbox"/>	Alarm and Event – Alarm Summary View-A	AE-AS-A
<input type="checkbox"/>	Alarm and Event – Event Log View-A	AE-ELV-A
<input type="checkbox"/>	Alarm and Event – Event Log View and Modify-A	AE-ELVM-A
<input type="checkbox"/>	Alarm and Event – Event Log-Internal-B	AE-EL-I-B
<input type="checkbox"/>	Alarm and Event – Event Log-External-B	AE-EL-E-B

**Scheduling**

<input checked="" type="checkbox"/>	Scheduling – A	SCHED-A
<input type="checkbox"/>	Scheduling – Internal-B	SCHED-I-B
<input type="checkbox"/>	Scheduling – External-B	SCHED-E-B
<input type="checkbox"/>	Scheduling – Advanced View Modify-A	SCH-AVM-A
<input type="checkbox"/>	Scheduling – View Modify-A	SCH-VM-A
<input type="checkbox"/>	Scheduling – Weekly Schedule-A	SCH-WS-A
<input type="checkbox"/>	Scheduling – Weekly Schedule Internal-B	SCH-WS-I-B
<input type="checkbox"/>	Scheduling – Readable-B	SCH-R-B

The A device is capable to present and modify Schedule objects of the forms defined in Protocol\_Revision 0 and Protocol\_Revision 4.

**Trending**

<input type="checkbox"/>	Trending – Viewing and Modifying Trends-A	T-VMT-A
<input type="checkbox"/>	Trending – Viewing and Modifying Internal-B	T-VM-I-B
<input type="checkbox"/>	Trending – Viewing and Modifying External-B	T-VM-E-B
<input type="checkbox"/>	Trending – Viewing and Modifying Multiple Values-A	T-VMMV-A
<input type="checkbox"/>	Trending – Viewing and Modifying Multiple Values Internal-B	T-VMMV-I-B
<input type="checkbox"/>	Trending – Viewing and Modifying Multiple Values External -B	T-VMMV-E-B
<input type="checkbox"/>	Trending – Automated Multiple Value Retrieval-A	T-AMVR-A
<input type="checkbox"/>	Trending – Automated Multiple Value Retrieval-B	T-AMVR-B
<input type="checkbox"/>	Trending – View-A	T-V-A
<input type="checkbox"/>	Trending – Advanced View and Modify-A	T-AVM-A
<input type="checkbox"/>	Trending – Archival-A	T-A-A
<input type="checkbox"/>	Trending – Automated Trend Retrieval-A	T-ATR-A
<input type="checkbox"/>	Trending – Automated Trend Retrieval-B	T-ATR-B

**Device management**

<input checked="" type="checkbox"/>	Device Management – Dynamic Device Binding-A	DM-DDB-A
<input checked="" type="checkbox"/>	Device Management – Dynamic Device Binding-B	DM-DDB-B
<input checked="" type="checkbox"/>	Device Management – Dynamic Object Binding-A	DM-DOB-A
<input checked="" type="checkbox"/>	Device Management – Dynamic Object Binding-B	DM-DOB-B
<input type="checkbox"/>	Device Management – DeviceCommunicationControl-A	DM-DCC-A
<input type="checkbox"/>	Device Management – DeviceCommunicationControl-B	DM-DCC-B
<input type="checkbox"/>	Device Management – Private Transfer-A	DM-PT-A
<input type="checkbox"/>	Device Management – Private Transfer-B	DM-PT-B
<input type="checkbox"/>	Device Management – Text Message-A	DM-TM-A
<input type="checkbox"/>	Device Management – Text Message-B	DM-TM-B
<input type="checkbox"/>	Device Management – TimeSynchronization-A	DM-TS-A
<input type="checkbox"/>	Device Management – TimeSynchronization-B	DM-TS-B
<input checked="" type="checkbox"/>	Device Management – UTCTimeSynchronization-A	DM-UTC-A
<input type="checkbox"/>	Device Management – UTCTimeSynchronization-B	DM-UTC-B
<input type="checkbox"/>	Device Management – ReinitializeDevice-A	DM-RD-A
<input type="checkbox"/>	Device Management – ReinitializeDevice-B	DM-RD-B
<input type="checkbox"/>	Device Management – Backup and Restore-A	DM-BR-A
<input type="checkbox"/>	Device Management – Backup and Restore-B	DM-BR-B
<input type="checkbox"/>	Device Management – Restart-A	DM-R-A
<input type="checkbox"/>	Device Management – Restart-B	DM-R-B
<input type="checkbox"/>	Device Management – List Manipulation-A	DM-LM-A
<input type="checkbox"/>	Device Management – List Manipulation-B	DM-LM-B
<input type="checkbox"/>	Device Management – Object Creation and Deletion-A	DM-OCD-A
<input type="checkbox"/>	Device Management – Object Creation and Deletion-B	DM-OCD-B
<input type="checkbox"/>	Device Management – Virtual Terminal-A	DM-VT-A
<input type="checkbox"/>	Device Management – Virtual Terminal-B	DM-VT-B
<input type="checkbox"/>	Device Management – Automatic Network Mapping-A	DM-ANM-A
<input type="checkbox"/>	Device Management – Automatic Device Mapping-A	DM-ADM-A
<input type="checkbox"/>	Device Management – Automatic Time Synchronization-A	DM-ATS-A
<input type="checkbox"/>	Device Management – Manual Time Synchronization-A	DM-MTS-A

**Network management**

<input type="checkbox"/>	Network Management – Connection Establishment-A	NM-CE-A
<input type="checkbox"/>	Network Management – Connection Establishment-B	NM-CE-B
<input type="checkbox"/>	Network Management – Router Configuration-A	NM-RC-A
<input type="checkbox"/>	Network Management – Router Configuration-B	NM-RC-B



## 5.4 Standard object types supported

Object type	Supported	Can be created dynamically	Can be deleted dynamically
Analog Input	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analog Output	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analog Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Binary Input	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Binary Output	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Binary Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Calendar	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Command	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Device	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Event Enrollment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
File	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Group	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Loop	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi-State Input	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi-State Output	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Notification Class	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Program	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Schedule	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Averaging	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi-State Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trend Log	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Life-Safety-Point	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Life-Safety-Zone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Accumulator	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pulse-Converter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Event Log	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Global Group	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trend Log Multiple	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Load Control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Structured-View	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Door	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(unassigned)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Credential	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Point	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Rights	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access User	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Zone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Credential Data Input	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Network Security	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bitstring Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Characterstring Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Object type	Supported	Can be created dynamically	Can be deleted dynamically
Date Pattern Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Date Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Datetime Pattern Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Datetime Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Integer Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Large Analog Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Octetstring Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Positive Integer Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Time Pattern Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Time Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Device

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
System_Status	<input checked="" type="checkbox"/>	R	
Vendor_Name	<input checked="" type="checkbox"/>	R	
Vendor_Identifier	<input checked="" type="checkbox"/>	R	
Model_Name	<input checked="" type="checkbox"/>	R	
Firmware_Revision	<input checked="" type="checkbox"/>	R	
Application_Software_Version	<input checked="" type="checkbox"/>	R	
Location	<input checked="" type="checkbox"/>	R	
Description	<input checked="" type="checkbox"/>	R	
Protocol_Version	<input checked="" type="checkbox"/>	R	
Protocol_Revision	<input checked="" type="checkbox"/>	R	
Protocol_Services_Supported	<input checked="" type="checkbox"/>	R	
Protocol_Object_Types_Supported	<input checked="" type="checkbox"/>	R	
Object_List	<input type="checkbox"/>		
Structured_Object_List	<input type="checkbox"/>		
Max_APDU_Length_Accepted	<input checked="" type="checkbox"/>	R	
Segmentation_Supported	<input checked="" type="checkbox"/>	R	
Max_Segments_Accepted	<input checked="" type="checkbox"/>	R	
VT_Classes_Supported	<input type="checkbox"/>		
Active_VT_Sessions	<input type="checkbox"/>		
Local_Time	<input type="checkbox"/>		
Local_Date	<input type="checkbox"/>		
UTC_Offset	<input type="checkbox"/>		
Daylight_Savings_Status	<input type="checkbox"/>		
APDU_Segment_Timeout	<input checked="" type="checkbox"/>	R	
APDU_Timeout	<input checked="" type="checkbox"/>	R	
Number_Of_APDU_Retries	<input checked="" type="checkbox"/>	R	
List_Of_Session_Keys	<input type="checkbox"/>		
Time_Synchronization_Recipients	<input type="checkbox"/>		
Max_Master	<input type="checkbox"/>		
Max_Info_Frames	<input type="checkbox"/>		
Device_Address_Binding	<input checked="" type="checkbox"/>	R	
Database_Revision	<input checked="" type="checkbox"/>	R	
Configuration_Files	<input type="checkbox"/>		
Last_Restore_Time	<input type="checkbox"/>		
Backup_Failure_Timeout	<input type="checkbox"/>		
Active_COV_Subscriptions	<input type="checkbox"/>		
Slave_Proxy_Enable	<input type="checkbox"/>		
Manual_Slave_Adress_Binding	<input type="checkbox"/>		
Auto_Slave_Discovery	<input type="checkbox"/>		
Slave_Address_Binding	<input type="checkbox"/>		

**Device**

<b>Properties</b>	<b>supported</b>	<b>Readable/ Writable</b>	<b>Range restrictions</b>
Last_Restart_Reason	<input type="checkbox"/>		
Time_Of_Device_Restart	<input type="checkbox"/>		
Restart_Notification_Recipients	<input type="checkbox"/>		
UTC_Time_Synchronization_Recipients	<input type="checkbox"/>		
Time_Synchronization_Interval	<input type="checkbox"/>		
Align_Intervals	<input type="checkbox"/>		
Interval_Offset	<input type="checkbox"/>		
Profile_Name	<input type="checkbox"/>		

## 5.5 Client supported object types

Object type	Supported	Can be created dynamically	Can be deleted dynamically
Analog Input	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analog Output	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analog Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Binary Input	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Binary Output	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Binary Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Calendar	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Command	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Device	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Event Enrollment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
File	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Group	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Loop	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi-State Input	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi-State Output	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Notification Class	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Program	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Schedule	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Averaging	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi-State Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trend Log	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Life-Safety-Point	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Life-Safety-Zone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Accumulator	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pulse-Converter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Event Log	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Global Group	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trend Log Multiple	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Load Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Structured-View	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Door	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(unassigned)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Credential	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Point	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Rights	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access User	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Zone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Credential Data Input	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Network Security	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bitstring Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Characterstring Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Object type	Supported	Can be created dynamically	Can be deleted dynamically
Date Pattern Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Date Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Datetime Pattern Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Datetime Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Integer Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Large Analog Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Octetstring Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Positive Integer Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Time Pattern Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Time Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## 5.6 Segmentation capability

<input checked="" type="checkbox"/>	Able to transmit segmented messages	Window size	4
<input checked="" type="checkbox"/>	Able to receive segmented messages	Window size	4

## 5.7 Data Link Layer options

PXM20	PXM20-E		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	BACnet IP, (Annex J)	
<input type="checkbox"/>	<input type="checkbox"/>	BACnet IP, (Annex J), Foreign Device	
<input type="checkbox"/>	<input type="checkbox"/>	ISO 8802-3, Ethernet (Clause 7)	
<input type="checkbox"/>	<input type="checkbox"/>	ANSI/ATA 878.1, 2.5 Mb. ARCNET (Clause 8)	
<input type="checkbox"/>	<input type="checkbox"/>	ANSI/ATA 878.1, RS-485 ARCNET (Clause 8), baud rate(s)	
<input type="checkbox"/>	<input type="checkbox"/>	MS/TP master (Clause 9), baud rate(s)	
<input type="checkbox"/>	<input type="checkbox"/>	MS/TP slave (Clause 9), baud rate(s)	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Point-To-Point, EIA 232 (Clause 10), baud rate(s)	: Max. 38400
<input type="checkbox"/>	<input type="checkbox"/>	Point-To-Point, modem, (Clause 10), baud rate(s)	: Max. 38400
<input checked="" type="checkbox"/>	<input type="checkbox"/>	LonTalk, (Clause 11), medium:	: TP/FT-10
<input type="checkbox"/>	<input type="checkbox"/>	Other	

## 5.8 Device address binding

Is static device binding supported?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
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## 5.9 Networking options

<input type="checkbox"/>	Router, Clause 6	
<input type="checkbox"/>	Annex H, BACnet Tunnelling Router over IP	
<input type="checkbox"/>	BACnet/IP Broadcast Management Device (BBMD)	
	Does the BBMD support registrations by Foreign Devices?	<input type="checkbox"/> Yes <input type="checkbox"/> No

## 5.10 Character sets supported

Indicating support for multiple character sets does not imply that they can all be supported simultaneously.

<input checked="" type="checkbox"/> UTF-8	<input type="checkbox"/> IBM / Microsoft DBCS	<input checked="" type="checkbox"/> ISO 8859-1
<input checked="" type="checkbox"/> ISO 10646 (UCS-2)	<input type="checkbox"/> ISO 10646 (UCS-4)	<input type="checkbox"/> JIS C 6226

### Note

- Outgoing character strings are communicated in the selected character set.
- Incoming character strings with character sets other than ISO 8859-1 will be mapped to ISO8859-1 internally. If the mapping is not possible, the character string is not accepted.

## 6 Desigo PXG3.M BACnet Router

<b>Date</b>	: 21 March 2013
<b>Vendor name</b>	: Siemens Building Technologies (Vendor ID 7)
<b>Product name</b>	: Desigo PX BACnet Router
<b>Product model number</b>	: PXG3.M
<b>BACnet protocol version</b>	: 1.10
<b>Application software version</b>	: –
<b>Firmware revision</b>	: V5.10

### 6.1 Product description

The DESIGO PXG3-M BACnet router connects a BACnet MS/TP channel to a BACnet/IP network. In addition, the BACnet router supports the functionality of the BBMD (BACnet Broadcast Management Device) in order to distribute the BACnet broadcast messages across the IP routers including foreign device support. The configuration can be performed through the built-in Web server using a standard Web browser.

### 6.2 BACnet standardized device profile (Annex L)

<input type="checkbox"/>	BACnet Advanced Workstation	(B-AWS)
<input type="checkbox"/>	BACnet Operator Workstation	(B-OWS)
<input type="checkbox"/>	BACnet Operator Display	(B-OD)
<input type="checkbox"/>	BACnet Building Controller	(B-BC)
<input type="checkbox"/>	BACnet Advanced Application Controller	(B-AAC)
<input type="checkbox"/>	BACnet Application Specific Controller	(B-ASC)
<input type="checkbox"/>	BACnet Smart Sensor	(B-SS)
<input type="checkbox"/>	BACnet Smart Actuator	(B-SA)



## 6.3 BACnet interoperability building blocks supported (Annex K)

### Data sharing

<input type="checkbox"/>	Data Sharing – ReadProperty-A	DS-RP-A
<input checked="" type="checkbox"/>	Data Sharing – ReadProperty-B	DS-RP-B
<input type="checkbox"/>	Data Sharing – ReadPropertyMultiple-A	DS-RPM-A
<input checked="" type="checkbox"/>	Data Sharing – ReadPropertyMultiple-B	DS-RPM-B
<input type="checkbox"/>	Data Sharing – WriteProperty-A	DS-WP-A
<input checked="" type="checkbox"/>	Data Sharing – WriteProperty-B	DS-WP-B
<input type="checkbox"/>	Data Sharing – WritePropertyMultiple-A	DS-WPM-A
<input checked="" type="checkbox"/>	Data Sharing – WritePropertyMultiple-B	DS-WPM-B
<input type="checkbox"/>	Data Sharing – ChangeofValue -A	DS-COV-A
<input type="checkbox"/>	Data Sharing – ChangeofValue -B	DS-COV-B
<input type="checkbox"/>	Data Sharing – ChangeofValueProperty -A	DS-COVP-A
<input checked="" type="checkbox"/>	Data Sharing – ChangeofValueProperty -B	DS-COVP-B
<input type="checkbox"/>	Data Sharing – ChangeofValue-Unsolicited-A	DS-COVU-A
<input type="checkbox"/>	Data Sharing – ChangeofValue-Unsolicited-B	DS-COVU-B
<input type="checkbox"/>	Data Sharing – View-A	DS-V-A
<input type="checkbox"/>	Data Sharing – Advanced View-A	DS-AV-A
<input type="checkbox"/>	Data Sharing – Modify-A	DS-M-A
<input type="checkbox"/>	Data Sharing – Advanced Modify-A	DS-AM-A

DS-COV-B is not supported because the supported objects of this device do not have a primary value

### Alarm and event management

<input type="checkbox"/>	Alarm and Event – Notification-A	AE-N-A
<input type="checkbox"/>	Alarm and Event – Notification Internal-B	AE-N-I-B
<input type="checkbox"/>	Alarm and Event – Notification External-B	AE-N-E-B
<input type="checkbox"/>	Alarm and Event – ACK-A	AE-ACK-A
<input type="checkbox"/>	Alarm and Event – ACK-B	AE-ACK-B
<input type="checkbox"/>	Alarm and Event – Alarm Summary-A	AE-ASUM-A
<input type="checkbox"/>	Alarm and Event – Alarm Summary-B	AE-ASUM-B
<input type="checkbox"/>	Alarm and Event – Enrollment Summary-A	AE-ESUM-A
<input type="checkbox"/>	Alarm and Event – Enrollment Summary-B	AE-ESUM-B
<input type="checkbox"/>	Alarm and Event – Information-A	AE-INFO-A
<input type="checkbox"/>	Alarm and Event – Information-B	AE-INFO-B
<input type="checkbox"/>	Alarm and Event – LifeSafety-A	AE-LS-A
<input type="checkbox"/>	Alarm and Event – LifeSafety-B	AE-LS-B
<input type="checkbox"/>	Alarm and Event – View Notifications-A	AE-VN-A
<input type="checkbox"/>	Alarm and Event – Advanced View Notifications-A	AE-AVN-A
<input type="checkbox"/>	Alarm and Event – View and Modify-A	AE-VM-A
<input type="checkbox"/>	Alarm and Event – Advanced View and Modify-A	AE-AVM-A
<input type="checkbox"/>	Alarm and Event – Alarm Summary View-A	AE-AS-A
<input type="checkbox"/>	Alarm and Event – Event Log View-A	AE-ELV-A
<input type="checkbox"/>	Alarm and Event – Event Log View and Modify-A	AE-ELVM-A
<input type="checkbox"/>	Alarm and Event – Event Log-Internal-B	AE-EL-I-B
<input type="checkbox"/>	Alarm and Event – Event Log-External-B	AE-EL-E-B

**Scheduling**

<input type="checkbox"/>	Scheduling – A	SCHED-A
<input type="checkbox"/>	Scheduling – Internal-B	SCHED-I-B
<input type="checkbox"/>	Scheduling – External-B	SCHED-E-B
<input type="checkbox"/>	Scheduling – Advanced View Modify-A	SCH-AVM-A
<input type="checkbox"/>	Scheduling – View Modify-A	SCH-VM-A
<input type="checkbox"/>	Scheduling – Weekly Schedule-A	SCH-WS-A
<input type="checkbox"/>	Scheduling – Weekly Schedule Internal-B	SCH-WS-I-B
<input type="checkbox"/>	Scheduling – Readable-B	SCH-R-B

**Trending**

<input type="checkbox"/>	Trending – Viewing and Modifying Trends-A	T-VMT-A
<input type="checkbox"/>	Trending – Viewing and Modifying Internal-B	T-VM-I-B
<input type="checkbox"/>	Trending – Viewing and Modifying External-B	T-VM-E-B
<input type="checkbox"/>	Trending – Viewing and Modifying Multiple Values-A	T-VMMV-A
<input type="checkbox"/>	Trending – Viewing and Modifying Multiple Values Internal-B	T-VMMV-I-B
<input type="checkbox"/>	Trending – Viewing and Modifying Multiple Values External -B	T-VMMV-E-B
<input type="checkbox"/>	Trending – Automated Multiple Value Retrieval-A	T-AMVR-A
<input type="checkbox"/>	Trending – Automated Multiple Value Retrieval-B	T-AMVR-B
<input type="checkbox"/>	Trending – View-A	T-V-A
<input type="checkbox"/>	Trending – Advanced View and Modify-A	T-AVM-A
<input type="checkbox"/>	Trending – Archival-A	T-A-A
<input type="checkbox"/>	Trending – Automated Trend Retrieval-A	T-ATR-A
<input type="checkbox"/>	Trending – Automated Trend Retrieval-B	T-ATR-B

**Device management**

<input type="checkbox"/>	Device Management – Dynamic Device Binding-A	DM-DDB-A
<input checked="" type="checkbox"/>	Device Management – Dynamic Device Binding-B	DM-DDB-B
<input type="checkbox"/>	Device Management – Dynamic Object Binding-A	DM-DOB-A
<input checked="" type="checkbox"/>	Device Management – Dynamic Object Binding-B	DM-DOB-B
<input type="checkbox"/>	Device Management – DeviceCommunicationControl-A	DM-DCC-A
<input checked="" type="checkbox"/>	Device Management – DeviceCommunicationControl-B	DM-DCC-B
<input type="checkbox"/>	Device Management – Private Transfer-A	DM-PT-A
<input type="checkbox"/>	Device Management – Private Transfer-B	DM-PT-B
<input type="checkbox"/>	Device Management – Text Message-A	DM-TM-A
<input type="checkbox"/>	Device Management – Text Message-B	DM-TM-B
<input type="checkbox"/>	Device Management – TimeSynchronization-A	DM-TS-A
<input checked="" type="checkbox"/>	Device Management – TimeSynchronization-B	DM-TS-B
<input type="checkbox"/>	Device Management – UTCTimeSynchronization-A	DM-UTC-A
<input checked="" type="checkbox"/>	Device Management – UTCTimeSynchronization-B	DM-UTC-B
<input type="checkbox"/>	Device Management – ReinitializeDevice-A	DM-RD-A
<input checked="" type="checkbox"/>	Device Management – ReinitializeDevice-B	DM-RD-B
<input type="checkbox"/>	Device Management – Backup and Restore-A	DM-BR-A
<input checked="" type="checkbox"/>	Device Management – Backup and Restore-B	DM-BR-B
<input type="checkbox"/>	Device Management – Restart-A	DM-R-A
<input type="checkbox"/>	Device Management – Restart-B	DM-R-B
<input type="checkbox"/>	Device Management – List Manipulation-A	DM-LM-A
<input checked="" type="checkbox"/>	Device Management – List Manipulation-B	DM-LM-B
<input type="checkbox"/>	Device Management – Object Creation and Deletion-A	DM-OCD-A
<input type="checkbox"/>	Device Management – Object Creation and Deletion-B	DM-OCD-B
<input type="checkbox"/>	Device Management – Virtual Terminal-A	DM-VT-A
<input type="checkbox"/>	Device Management – Virtual Terminal-B	DM-VT-B
<input type="checkbox"/>	Device Management – Automatic Network Mapping-A	DM-ANM-A
<input type="checkbox"/>	Device Management – Automatic Device Mapping-A	DM-ADM-A
<input type="checkbox"/>	Device Management – Automatic Time Synchronization-A	DM-ATS-A
<input type="checkbox"/>	Device Management – Manual Time Synchronization-A	DM-MTS-A

**Network management**

<input type="checkbox"/>	Network Management – Connection Establishment-A	NM-CE-A
<input type="checkbox"/>	Network Management – Connection Establishment-B	NM-CE-B
<input type="checkbox"/>	Network Management – Router Configuration-A	NM-RC-A
<input checked="" type="checkbox"/>	Network Management – Router Configuration-B	NM-RC-B

## 6.4 Standard object types supported

Object type	Supported	Can be created dynamically	Can be deleted dynamically
Analog Input	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analog Output	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analog Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Binary Input	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Binary Output	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Binary Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Calendar	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Command	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Device	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Event Enrollment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
File	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Group	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Loop	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi-State Input	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi-State Output	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Notification Class	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Program	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Schedule	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Averaging	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi-State Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trend Log	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Life-Safety-Point	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Life-Safety-Zone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Accumulator	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pulse-Converter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Event Log	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Global Group	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trend Log Multiple	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Load Control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Structured-View	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Door	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(unassigned)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Credential	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Point	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Rights	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access User	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Zone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Credential Data Input	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Network Security	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bitstring Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Characterstring Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Object type	Supported	Can be created dynamically	Can be deleted dynamically
Date Pattern Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Date Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Datetime Pattern Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Datetime Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Integer Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Large Analog Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Octetstring Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Positive Integer Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Time Pattern Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Time Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Device

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
System_Status	<input checked="" type="checkbox"/>	R	
Vendor_Name	<input checked="" type="checkbox"/>	R	
Vendor_Identifier	<input checked="" type="checkbox"/>	R	
Model_Name	<input checked="" type="checkbox"/>	R	
Firmware_Revision	<input checked="" type="checkbox"/>	R	
Application_Software_Version	<input checked="" type="checkbox"/>	R	
Location	<input checked="" type="checkbox"/>	W	
Description	<input checked="" type="checkbox"/>	W	
Protocol_Version	<input checked="" type="checkbox"/>	R	
Protocol_Revision	<input checked="" type="checkbox"/>	R	
Protocol_Services_Supported	<input checked="" type="checkbox"/>	R	
Protocol_Object_Types_Supported	<input checked="" type="checkbox"/>	R	
Object_List	<input checked="" type="checkbox"/>	R	
Structured_Object_List	<input type="checkbox"/>		
Max_APDU_Length_Accepted	<input checked="" type="checkbox"/>	R	
Segmentation_Supported	<input checked="" type="checkbox"/>	R	
Max_Segments_Accepted	<input checked="" type="checkbox"/>	R	
VT_Classes_Supported	<input type="checkbox"/>		
Active_VT_Sessions	<input type="checkbox"/>		
Local_Time	<input checked="" type="checkbox"/>	R	
Local_Date	<input checked="" type="checkbox"/>	R	
UTC_Offset	<input checked="" type="checkbox"/>	R	
Daylight_Savings_Status	<input checked="" type="checkbox"/>	R	
APDU_Segment_Timeout	<input checked="" type="checkbox"/>	R	
APDU_Timeout	<input checked="" type="checkbox"/>	R	
Number_Of_APDU_Retries	<input checked="" type="checkbox"/>	R	
List_Of_Session_Keys	<input type="checkbox"/>		
Time_Synchronization_Recipients	<input type="checkbox"/>		
Max_Master	<input checked="" type="checkbox"/>	R	
Max_Info_Frames	<input checked="" type="checkbox"/>	R	
Device_Address_Binding	<input checked="" type="checkbox"/>	R	
Database_Revision	<input checked="" type="checkbox"/>	R	
Configuration_Files	<input checked="" type="checkbox"/>	R	
Last_Restore_Time	<input checked="" type="checkbox"/>	R	
Backup_Failure_Timeout	<input checked="" type="checkbox"/>	W	0...65535
Backup_Preparation_Time	<input checked="" type="checkbox"/>	R	
Restore_Preparation_Time	<input checked="" type="checkbox"/>	R	
Restore_Completion_Time	<input checked="" type="checkbox"/>	R	
Backup_And_Restore_State	<input checked="" type="checkbox"/>	R	
Active_COV_Subscriptions	<input checked="" type="checkbox"/>	R	
Slave_Proxy_Enable	<input checked="" type="checkbox"/>	W	

**Device**

Manual_Slave_Address_Binding	<input checked="" type="checkbox"/>	W	
Auto_Slave_Discovery	<input checked="" type="checkbox"/>	W	
Slave_Address_Binding	<input checked="" type="checkbox"/>	R	
Last_Restart_Reason	<input checked="" type="checkbox"/>	R	
Time_Of_Device_Restart	<input checked="" type="checkbox"/>	R	
Restart_Notification_Recipients	<input checked="" type="checkbox"/>	W	
UTC_Time_Synchronization_Recipients	<input type="checkbox"/>		
Time_Synchronization_Interval	<input type="checkbox"/>		
Align_Intervals	<input type="checkbox"/>		
Interval_Offset	<input type="checkbox"/>		
Profile_Name	<input checked="" type="checkbox"/>	R	

**File**

<b>Properties</b>	<b>supported</b>	<b>Readable/ Writable</b>	<b>Range restrictions</b>
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	W	
Object_Type	<input checked="" type="checkbox"/>	R	
Description	<input checked="" type="checkbox"/>	W	
File_Type	<input checked="" type="checkbox"/>	R	
File_Size	<input checked="" type="checkbox"/>	W	
Modification_Date	<input checked="" type="checkbox"/>	R	
Archive	<input checked="" type="checkbox"/>	W	
Read_Only	<input checked="" type="checkbox"/>	R	
File_Access_Method	<input checked="" type="checkbox"/>	R	
Record_Count	<input type="checkbox"/>		
Profile_Name	<input checked="" type="checkbox"/>	R	

## 6.5 Segmentation capability

<input checked="" type="checkbox"/>	Able to transmit segmented messages	Window size	configurable
<input checked="" type="checkbox"/>	Able to receive segmented messages	Window size	configurable

## 6.6 Data Link Layer options

<input checked="" type="checkbox"/>	BACnet IP, (Annex J)	
<input type="checkbox"/>	BACnet IP, (Annex J), Foreign Device	
<input type="checkbox"/>	ISO 8802-3, Ethernet (Clause 7)	
<input type="checkbox"/>	ANSI/ATA 878.1, 2.5 Mb. ARCNET (Clause 8)	
<input type="checkbox"/>	ANSI/ATA 878.1, RS-485 ARCNET (Clause 8), baud rate(s)	
<input checked="" type="checkbox"/>	MS/TP master (Clause 9), baud rate(s)	: 9600 : 19200 : 38400 : 76800 : 115200
<input type="checkbox"/>	MS/TP slave (Clause 9), baud rate(s)	
<input type="checkbox"/>	Point-To-Point, EIA 232 (Clause 10), baud rate(s)	:
<input type="checkbox"/>	Point-To-Point, modem, (Clause 10), baud rate(s)	:
<input type="checkbox"/>	LonTalk, (Clause 11), medium:	
<input type="checkbox"/>	Other	

## 6.7 Device address binding

Is static device binding supported?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
-------------------------------------	------------------------------	----------------------------------------

## 6.8 Networking options

<input checked="" type="checkbox"/>	Router, Clause 6	
<input type="checkbox"/>	Annex H, BACnet Tunnelling Router over IP	
<input checked="" type="checkbox"/>	BACnet/IP Broadcast Management Device (BBMD)	
	Does the BBMD support registrations by Foreign Devices?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

## 6.9 Character sets supported

Indicating support for multiple character sets does not imply that they can all be supported simultaneously.

<input checked="" type="checkbox"/> UTF-8	<input type="checkbox"/> IBM / Microsoft DBCS	<input type="checkbox"/> ISO 8859-1
<input type="checkbox"/> ISO 10646 (UCS-2)	<input type="checkbox"/> ISO 10646 (UCS-4)	<input type="checkbox"/> JIS C 6226



## 7 Desigo PXG3.L BACnet Router

<b>Date</b>	: 21 March 2013
<b>Vendor name</b>	: Siemens Building Technologies (Vendor ID 7)
<b>Product name</b>	: Desigo PX BACnet Router
<b>Product model number</b>	: PXG3.L
<b>BACnet protocol version</b>	: 1.10
<b>Application software version</b>	: –
<b>Firmware revision</b>	: V5.10

### 7.1 Product description

The DESIGO PXG3-L BACnet router connects:

- a BACnet MS/TP channel to a BACnet/IP network
- a BACnet MS/TP channel to a BACnet/Lon network
- a BACnet/Lon network to a BACnet/IP network

In addition, the BACnet router supports the functionality of the BBMD (BACnet Broadcast Management Device) in order to distribute the BACnet broadcast messages across the IP routers including foreign device support.

The configuration can be performed through the built-in Web server using a standard Web browser.

### 7.2 BACnet standardized device profile (Annex L)

<input type="checkbox"/>	BACnet Advanced Workstation	(B-AWS)
<input type="checkbox"/>	BACnet Operator Workstation	(B-OWS)
<input type="checkbox"/>	BACnet Operator Display	(B-OD)
<input type="checkbox"/>	BACnet Building Controller	(B-BC)
<input type="checkbox"/>	BACnet Advanced Application Controller	(B-AAC)
<input type="checkbox"/>	BACnet Application Specific Controller	(B-ASC)
<input type="checkbox"/>	BACnet Smart Sensor	(B-SS)
<input type="checkbox"/>	BACnet Smart Actuator	(B-SA)

## 7.3 BACnet interoperability building blocks supported (Annex K)

### Data sharing

<input type="checkbox"/>	Data Sharing – ReadProperty-A	DS-RP-A
<input checked="" type="checkbox"/>	Data Sharing – ReadProperty-B	DS-RP-B
<input type="checkbox"/>	Data Sharing – ReadPropertyMultiple-A	DS-RPM-A
<input checked="" type="checkbox"/>	Data Sharing – ReadPropertyMultiple-B	DS-RPM-B
<input type="checkbox"/>	Data Sharing – WriteProperty-A	DS-WP-A
<input checked="" type="checkbox"/>	Data Sharing – WriteProperty-B	DS-WP-B
<input type="checkbox"/>	Data Sharing – WritePropertyMultiple-A	DS-WPM-A
<input checked="" type="checkbox"/>	Data Sharing – WritePropertyMultiple-B	DS-WPM-B
<input type="checkbox"/>	Data Sharing – ChangeofValue -A	DS-COV-A
<input type="checkbox"/>	Data Sharing – ChangeofValue -B	DS-COV-B
<input type="checkbox"/>	Data Sharing – ChangeofValueProperty -A	DS-COVP-A
<input checked="" type="checkbox"/>	Data Sharing – ChangeofValueProperty -B	DS-COVP-B
<input type="checkbox"/>	Data Sharing – ChangeofValue-Unsolicited-A	DS-COVU-A
<input type="checkbox"/>	Data Sharing – ChangeofValue-Unsolicited-B	DS-COVU-B
<input type="checkbox"/>	Data Sharing – View-A	DS-V-A
<input type="checkbox"/>	Data Sharing – Advanced View-A	DS-AV-A
<input type="checkbox"/>	Data Sharing – Modify-A	DS-M-A
<input type="checkbox"/>	Data Sharing – Advanced Modify-A	DS-AM-A

DS-COV-B is not supported because the supported objects of this device do not have a primary value

### Alarm and event management

<input type="checkbox"/>	Alarm and Event – Notification-A	AE-N-A
<input type="checkbox"/>	Alarm and Event – Notification Internal-B	AE-N-I-B
<input type="checkbox"/>	Alarm and Event – Notification External-B	AE-N-E-B
<input type="checkbox"/>	Alarm and Event – ACK-A	AE-ACK-A
<input type="checkbox"/>	Alarm and Event – ACK-B	AE-ACK-B
<input type="checkbox"/>	Alarm and Event – Alarm Summary-A	AE-ASUM-A
<input type="checkbox"/>	Alarm and Event – Alarm Summary-B	AE-ASUM-B
<input type="checkbox"/>	Alarm and Event – Enrollment Summary-A	AE-ESUM-A
<input type="checkbox"/>	Alarm and Event – Enrollment Summary-B	AE-ESUM-B
<input type="checkbox"/>	Alarm and Event – Information-A	AE-INFO-A
<input type="checkbox"/>	Alarm and Event – Information-B	AE-INFO-B
<input type="checkbox"/>	Alarm and Event – LifeSafety-A	AE-LS-A
<input type="checkbox"/>	Alarm and Event – LifeSafety-B	AE-LS-B
<input type="checkbox"/>	Alarm and Event – View Notifications-A	AE-VN-A
<input type="checkbox"/>	Alarm and Event – Advanced View Notifications-A	AE-AVN-A
<input type="checkbox"/>	Alarm and Event – View and Modify-A	AE-VM-A
<input type="checkbox"/>	Alarm and Event – Advanced View and Modify-A	AE-AVM-A
<input type="checkbox"/>	Alarm and Event – Alarm Summary View-A	AE-AS-A
<input type="checkbox"/>	Alarm and Event – Event Log View-A	AE-ELV-A
<input type="checkbox"/>	Alarm and Event – Event Log View and Modify-A	AE-ELVM-A
<input type="checkbox"/>	Alarm and Event – Event Log-Internal-B	AE-EL-I-B
<input type="checkbox"/>	Alarm and Event – Event Log-External-B	AE-EL-E-B

**Scheduling**

<input type="checkbox"/>	Scheduling – A	SCHED-A
<input type="checkbox"/>	Scheduling – Internal-B	SCHED-I-B
<input type="checkbox"/>	Scheduling – External-B	SCHED-E-B
<input type="checkbox"/>	Scheduling – Advanced View Modify-A	SCH-AVM-A
<input type="checkbox"/>	Scheduling – View Modify-A	SCH-VM-A
<input type="checkbox"/>	Scheduling – Weekly Schedule-A	SCH-WS-A
<input type="checkbox"/>	Scheduling – Weekly Schedule Internal-B	SCH-WS-I-B
<input type="checkbox"/>	Scheduling – Readable-B	SCH-R-B

**Trending**

<input type="checkbox"/>	Trending – Viewing and Modifying Trends-A	T-VMT-A
<input type="checkbox"/>	Trending – Viewing and Modifying Internal-B	T-VM-I-B
<input type="checkbox"/>	Trending – Viewing and Modifying External-B	T-VM-E-B
<input type="checkbox"/>	Trending – Viewing and Modifying Multiple Values-A	T-VMMV-A
<input type="checkbox"/>	Trending – Viewing and Modifying Multiple Values Internal-B	T-VMMV-I-B
<input type="checkbox"/>	Trending – Viewing and Modifying Multiple Values External -B	T-VMMV-E-B
<input type="checkbox"/>	Trending – Automated Multiple Value Retrieval-A	T-AMVR-A
<input type="checkbox"/>	Trending – Automated Multiple Value Retrieval-B	T-AMVR-B
<input type="checkbox"/>	Trending – View-A	T-V-A
<input type="checkbox"/>	Trending – Advanced View and Modify-A	T-AVM-A
<input type="checkbox"/>	Trending – Archival-A	T-A-A
<input type="checkbox"/>	Trending – Automated Trend Retrieval-A	T-ATR-A
<input type="checkbox"/>	Trending – Automated Trend Retrieval-B	T-ATR-B

**Device management**

<input type="checkbox"/>	Device Management – Dynamic Device Binding-A	DM-DDB-A
<input checked="" type="checkbox"/>	Device Management – Dynamic Device Binding-B	DM-DDB-B
<input type="checkbox"/>	Device Management – Dynamic Object Binding-A	DM-DOB-A
<input checked="" type="checkbox"/>	Device Management – Dynamic Object Binding-B	DM-DOB-B
<input type="checkbox"/>	Device Management – DeviceCommunicationControl-A	DM-DCC-A
<input checked="" type="checkbox"/>	Device Management – DeviceCommunicationControl-B	DM-DCC-B
<input type="checkbox"/>	Device Management – Private Transfer-A	DM-PT-A
<input type="checkbox"/>	Device Management – Private Transfer-B	DM-PT-B
<input type="checkbox"/>	Device Management – Text Message-A	DM-TM-A
<input type="checkbox"/>	Device Management – Text Message-B	DM-TM-B
<input type="checkbox"/>	Device Management – TimeSynchronization-A	DM-TS-A
<input checked="" type="checkbox"/>	Device Management – TimeSynchronization-B	DM-TS-B
<input type="checkbox"/>	Device Management – UTCTimeSynchronization-A	DM-UTC-A
<input checked="" type="checkbox"/>	Device Management – UTCTimeSynchronization-B	DM-UTC-B
<input type="checkbox"/>	Device Management – ReinitializeDevice-A	DM-RD-A
<input checked="" type="checkbox"/>	Device Management – ReinitializeDevice-B	DM-RD-B
<input type="checkbox"/>	Device Management – Backup and Restore-A	DM-BR-A
<input checked="" type="checkbox"/>	Device Management – Backup and Restore-B	DM-BR-B
<input type="checkbox"/>	Device Management – Restart-A	DM-R-A
<input type="checkbox"/>	Device Management – Restart-B	DM-R-B
<input type="checkbox"/>	Device Management – List Manipulation-A	DM-LM-A
<input checked="" type="checkbox"/>	Device Management – List Manipulation-B	DM-LM-B
<input type="checkbox"/>	Device Management – Object Creation and Deletion-A	DM-OCD-A
<input type="checkbox"/>	Device Management – Object Creation and Deletion-B	DM-OCD-B
<input type="checkbox"/>	Device Management – Virtual Terminal-A	DM-VT-A
<input type="checkbox"/>	Device Management – Virtual Terminal-B	DM-VT-B
<input type="checkbox"/>	Device Management – Automatic Network Mapping-A	DM-ANM-A
<input type="checkbox"/>	Device Management – Automatic Device Mapping-A	DM-ADM-A
<input type="checkbox"/>	Device Management – Automatic Time Synchronization-A	DM-ATS-A
<input type="checkbox"/>	Device Management – Manual Time Synchronization-A	DM-MTS-A

**Network management**

<input type="checkbox"/>	Network Management – Connection Establishment-A	NM-CE-A
<input type="checkbox"/>	Network Management – Connection Establishment-B	NM-CE-B
<input type="checkbox"/>	Network Management – Router Configuration-A	NM-RC-A
<input checked="" type="checkbox"/>	Network Management – Router Configuration-B	NM-RC-B

## 7.4 Standard object types supported

Object type	Supported	Can be created dynamically	Can be deleted dynamically
Analog Input	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analog Output	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analog Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Binary Input	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Binary Output	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Binary Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Calendar	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Command	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Device	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Event Enrollment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
File	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Group	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Loop	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi-State Input	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi-State Output	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Notification Class	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Program	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Schedule	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Averaging	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi-State Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trend Log	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Life-Safety-Point	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Life-Safety-Zone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Accumulator	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pulse-Converter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Event Log	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Global Group	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trend Log Multiple	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Load Control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Structured-View	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Door	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(unassigned)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Credential	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Point	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Rights	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access User	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Zone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Credential Data Input	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Network Security	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bitstring Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Characterstring Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Object type	Supported	Can be created dynamically	Can be deleted dynamically
Date Pattern Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Date Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Datetime Pattern Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Datetime Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Integer Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Large Analog Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Octetstring Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Positive Integer Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Time Pattern Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Time Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## Device

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
System_Status	<input checked="" type="checkbox"/>	R	
Vendor_Name	<input checked="" type="checkbox"/>	R	
Vendor_Identifier	<input checked="" type="checkbox"/>	R	
Model_Name	<input checked="" type="checkbox"/>	R	
Firmware_Revision	<input checked="" type="checkbox"/>	R	
Application_Software_Version	<input checked="" type="checkbox"/>	R	
Location	<input checked="" type="checkbox"/>	W	
Description	<input checked="" type="checkbox"/>	W	
Protocol_Version	<input checked="" type="checkbox"/>	R	
Protocol_Revision	<input checked="" type="checkbox"/>	R	
Protocol_Services_Supported	<input checked="" type="checkbox"/>	R	
Protocol_Object_Types_Supported	<input checked="" type="checkbox"/>	R	
Object_List	<input checked="" type="checkbox"/>	R	
Structured_Object_List	<input type="checkbox"/>		
Max_APDU_Length_Accepted	<input checked="" type="checkbox"/>	R	
Segmentation_Supported	<input checked="" type="checkbox"/>	R	
Max_Segments_Accepted	<input checked="" type="checkbox"/>	R	
VT_Classes_Supported	<input type="checkbox"/>		
Active_VT_Sessions	<input type="checkbox"/>		
Local_Time	<input checked="" type="checkbox"/>	R	
Local_Date	<input checked="" type="checkbox"/>	R	
UTC_Offset	<input checked="" type="checkbox"/>	R	
Daylight_Savings_Status	<input checked="" type="checkbox"/>	R	
APDU_Segment_Timeout	<input checked="" type="checkbox"/>	R	
APDU_Timeout	<input checked="" type="checkbox"/>	R	
Number_Of_APDU_Retries	<input checked="" type="checkbox"/>	R	
List_Of_Session_Keys	<input type="checkbox"/>		

**Device**

Properties	supported	Readable/ Writable	Range restrictions
Time_Synchronization_Recipients	<input type="checkbox"/>		
Max_Master	<input checked="" type="checkbox"/>	R	
Max_Info_Frames	<input checked="" type="checkbox"/>	R	
Device_Address_Binding	<input checked="" type="checkbox"/>	R	
Database_Revision	<input checked="" type="checkbox"/>	R	
Configuration_Files	<input checked="" type="checkbox"/>	R	
Last_Restore_Time	<input checked="" type="checkbox"/>	R	
Backup_Failure_Timeout	<input checked="" type="checkbox"/>	W	0...65535
Backup_Preparation_Time	<input checked="" type="checkbox"/>	R	
Restore_Preparation_Time	<input checked="" type="checkbox"/>	R	
Restore_Completion_Time	<input checked="" type="checkbox"/>	R	
Backup_And_Restore_State	<input checked="" type="checkbox"/>	R	
Active_COV_Subscriptions	<input checked="" type="checkbox"/>	R	
Slave_Proxy_Enable	<input checked="" type="checkbox"/>	W	
Manual_Slave_Address_Binding	<input checked="" type="checkbox"/>	W	
Auto_Slave_Discovery	<input checked="" type="checkbox"/>	W	
Slave_Address_Binding	<input checked="" type="checkbox"/>	R	
Last_Restart_Reason	<input checked="" type="checkbox"/>	R	
Time_Of_Device_Restart	<input checked="" type="checkbox"/>	R	
Restart_Notification_Recipients	<input checked="" type="checkbox"/>	W	
UTC_Time_Synchronization_Recipients	<input type="checkbox"/>		
Time_Synchronization_Interval	<input type="checkbox"/>		
Align_Intervals	<input type="checkbox"/>		
Interval_Offset	<input type="checkbox"/>		
Profile_Name	<input checked="" type="checkbox"/>	R	

**File**

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	W	
Object_Type	<input checked="" type="checkbox"/>	R	
Description	<input checked="" type="checkbox"/>	W	
File_Type	<input checked="" type="checkbox"/>	R	
File_Size	<input checked="" type="checkbox"/>	W	
Modification_Date	<input checked="" type="checkbox"/>	R	
Archive	<input checked="" type="checkbox"/>	W	
Read_Only	<input checked="" type="checkbox"/>	R	
File_Access_Method	<input checked="" type="checkbox"/>	R	
Record_Count	<input type="checkbox"/>		
Profile_Name	<input checked="" type="checkbox"/>	R	

## 7.5 Segmentation capability

<input checked="" type="checkbox"/>	Able to transmit segmented messages	Window size	configurable
<input checked="" type="checkbox"/>	Able to receive segmented messages	Window size	configurable

## 7.6 Data Link Layer options

<input checked="" type="checkbox"/>	BACnet IP, (Annex J)	
<input type="checkbox"/>	BACnet IP, (Annex J), Foreign Device	
<input type="checkbox"/>	ISO 8802-3, Ethernet (Clause 7)	
<input type="checkbox"/>	ANSI/ATA 878.1, 2.5 Mb. ARCNET (Clause 8)	
<input type="checkbox"/>	ANSI/ATA 878.1, RS-485 ARCNET (Clause 8), baud rate(s)	
<input checked="" type="checkbox"/>	MS/TP master (Clause 9), baud rate(s)	: 9600 : 19200 : 38400 : 76800 : 115200
<input type="checkbox"/>	MS/TP slave (Clause 9), baud rate(s)	
<input type="checkbox"/>	Point-To-Point, EIA 232 (Clause 10), baud rate(s)	:
<input type="checkbox"/>	Point-To-Point, modem, (Clause 10), baud rate(s)	
<input checked="" type="checkbox"/>	LonTalk, (Clause 11), medium:	: TP/FT-10
<input type="checkbox"/>	Other	

## 7.7 Device address binding

Is static device binding supported?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
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## 7.8 Networking options

<input checked="" type="checkbox"/>	Router, Clause 6	
<input type="checkbox"/>	Annex H, BACnet Tunnelling Router over IP	
<input checked="" type="checkbox"/>	BACnet/IP Broadcast Management Device (BBMD)	
	Does the BBMD support registrations by Foreign Devices?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

## 7.9 Character sets supported

Indicating support for multiple character sets does not imply that they can all be supported simultaneously.

<input checked="" type="checkbox"/> UTF-8	<input type="checkbox"/> IBM / Microsoft DBCS	<input type="checkbox"/> ISO 8859-1
<input type="checkbox"/> ISO 10646 (UCS-2)	<input type="checkbox"/> ISO 10646 (UCS-4)	<input type="checkbox"/> JIS C 6226



## 8 SX Open

<b>Date</b>	: 22 February 2012
<b>Vendor name</b>	: Siemens Building Technologies (Vendor ID 7)
<b>Product name</b>	: Desigo SX-Open
<b>Product model number</b>	: V2.1
<b>BACnet protocol version</b>	: 1.5
<b>Application software version</b>	: –
<b>Firmware revision</b>	: 2.01.xx

### 8.1 Product description

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SX Open is a generic framework to develop gateways from several field buses to BACnet in an efficient way. SX Open provides server-functionality but act as BACnet client as well for real peer-to-peer communication.

### 8.2 BACnet standardized device profile (Annex L)

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<input type="checkbox"/>	BACnet Advanced Workstation	(B-AWS)
<input type="checkbox"/>	BACnet Operator Workstation	(B-OWS)
<input type="checkbox"/>	BACnet Operator Display	(B-OD)
<input type="checkbox"/>	BACnet Building Controller	(B-BC)
<input type="checkbox"/>	BACnet Advanced Application Controller	(B-AAC)
<input checked="" type="checkbox"/>	BACnet Application Specific Controller	(B-ASC)
<input type="checkbox"/>	BACnet Smart Sensor	(B-SS)
<input type="checkbox"/>	BACnet Smart Actuator	(B-SA)

## 8.3 BACnet interoperability building blocks supported (Annex K)

### Data sharing

<input checked="" type="checkbox"/>	Data Sharing – ReadProperty-A	DS-RP-A
<input checked="" type="checkbox"/>	Data Sharing – ReadProperty-B	DS-RP-B
<input type="checkbox"/>	Data Sharing – ReadPropertyMultiple-A	DS-RPM-A
<input checked="" type="checkbox"/>	Data Sharing – ReadPropertyMultiple-B	DS-RPM-B
<input checked="" type="checkbox"/>	Data Sharing – WriteProperty-A	DS-WP-A
<input checked="" type="checkbox"/>	Data Sharing – WriteProperty-B	DS-WP-B
<input type="checkbox"/>	Data Sharing – WritePropertyMultiple-A	DS-WPM-A
<input type="checkbox"/>	Data Sharing – WritePropertyMultiple-B	DS-WPM-B
<input checked="" type="checkbox"/>	Data Sharing – ChangeofValue -A	DS-COV-A
<input checked="" type="checkbox"/>	Data Sharing – ChangeofValue -B	DS-COV-B
<input type="checkbox"/>	Data Sharing – ChangeofValueProperty -A	DS-COVP-A
<input type="checkbox"/>	Data Sharing – ChangeofValueProperty -B	DS-COVP-B
<input type="checkbox"/>	Data Sharing – ChangeofValue-Unsolicited-A	DS-COVU-A
<input type="checkbox"/>	Data Sharing – ChangeofValue-Unsolicited-B	DS-COVU-B
<input type="checkbox"/>	Data Sharing – View-A	DS-V-A
<input type="checkbox"/>	Data Sharing – Advanced View-A	DS-AV-A
<input type="checkbox"/>	Data Sharing – Modify-A	DS-M-A
<input type="checkbox"/>	Data Sharing – Advanced Modify-A	DS-AM-A

### Alarm and event management

<input type="checkbox"/>	Alarm and Event – Notification-A	AE-N-A
<input checked="" type="checkbox"/>	Alarm and Event – Notification Internal-B	AE-N-I-B
<input type="checkbox"/>	Alarm and Event – Notification External-B	AE-N-E-B
<input type="checkbox"/>	Alarm and Event – ACK-A	AE-ACK-A
<input checked="" type="checkbox"/>	Alarm and Event – ACK-B	AE-ACK-B
<input type="checkbox"/>	Alarm and Event – Alarm Summary-A	AE-ASUM-A
<input checked="" type="checkbox"/>	Alarm and Event – Alarm Summary-B	AE-ASUM-B
<input type="checkbox"/>	Alarm and Event – Enrollment Summary-A	AE-ESUM-A
<input type="checkbox"/>	Alarm and Event – Enrollment Summary-B	AE-ESUM-B
<input type="checkbox"/>	Alarm and Event – Information-A	AE-INFO-A
<input checked="" type="checkbox"/>	Alarm and Event – Information-B	AE-INFO-B
<input type="checkbox"/>	Alarm and Event – LifeSafety-A	AE-LS-A
<input type="checkbox"/>	Alarm and Event – LifeSafety-B	AE-LS-B
<input type="checkbox"/>	Alarm and Event – View Notifications-A	AE-VN-A
<input type="checkbox"/>	Alarm and Event – Advanced View Notifications-A	AE-AVN-A
<input type="checkbox"/>	Alarm and Event – View and Modify-A	AE-VM-A
<input type="checkbox"/>	Alarm and Event – Advanced View and Modify-A	AE-AVM-A
<input type="checkbox"/>	Alarm and Event – Alarm Summary View-A	AE-AS-A
<input type="checkbox"/>	Alarm and Event – Event Log View-A	AE-ELV-A
<input type="checkbox"/>	Alarm and Event – Event Log View and Modify-A	AE-ELVM-A
<input type="checkbox"/>	Alarm and Event – Event Log-Internal-B	AE-EL-I-B
<input type="checkbox"/>	Alarm and Event – Event Log-External-B	AE-EL-E-B

**Scheduling**

<input type="checkbox"/>	Scheduling – A	SCHED-A
<input checked="" type="checkbox"/>	Scheduling – Internal-B	SCHED-I-B
<input type="checkbox"/>	Scheduling – External-B	SCHED-E-B
<input type="checkbox"/>	Scheduling – Advanced View Modify-A	SCH-AVM-A
<input type="checkbox"/>	Scheduling – View Modify-A	SCH-VM-A
<input type="checkbox"/>	Scheduling – Weekly Schedule-A	SCH-WS-A
<input type="checkbox"/>	Scheduling – Weekly Schedule Internal-B	SCH-WS-I-B
<input type="checkbox"/>	Scheduling – Readable-B	SCH-R-B

**Trending**

<input type="checkbox"/>	Trending – Viewing and Modifying Trends-A	T-VMT-A
<input checked="" type="checkbox"/>	Trending – Viewing and Modifying Internal-B	T-VM-I-B
<input type="checkbox"/>	Trending – Viewing and Modifying External-B	T-VM-E-B
<input type="checkbox"/>	Trending – Viewing and Modifying Multiple Values-A	T-VMMV-A
<input type="checkbox"/>	Trending – Viewing and Modifying Multiple Values Internal-B	T-VMMV-I-B
<input type="checkbox"/>	Trending – Viewing and Modifying Multiple Values External -B	T-VMMV-E-B
<input type="checkbox"/>	Trending – Automated Multiple Value Retrieval-A	T-AMVR-A
<input type="checkbox"/>	Trending – Automated Multiple Value Retrieval-B	T-AMVR-B
<input type="checkbox"/>	Trending – View-A	T-V-A
<input type="checkbox"/>	Trending – Advanced View and Modify-A	T-AVM-A
<input type="checkbox"/>	Trending – Archival-A	T-A-A
<input type="checkbox"/>	Trending – Automated Trend Retrieval-A	T-ATR-A
<input checked="" type="checkbox"/>	Trending – Automated Trend Retrieval-B	T-ATR-B

**Device management**

<input checked="" type="checkbox"/>	Device Management – Dynamic Device Binding-A	DM-DDB-A
<input checked="" type="checkbox"/>	Device Management – Dynamic Device Binding-B	DM-DDB-B
<input checked="" type="checkbox"/>	Device Management – Dynamic Object Binding-A	DM-DOB-A
<input checked="" type="checkbox"/>	Device Management – Dynamic Object Binding-B	DM-DOB-B
<input type="checkbox"/>	Device Management – DeviceCommunicationControl-A	DM-DCC-A
<input checked="" type="checkbox"/>	Device Management – DeviceCommunicationControl-B	DM-DCC-B
<input type="checkbox"/>	Device Management – Private Transfer-A	DM-PT-A
<input type="checkbox"/>	Device Management – Private Transfer-B	DM-PT-B
<input type="checkbox"/>	Device Management – Text Message-A	DM-TM-A
<input type="checkbox"/>	Device Management – Text Message-B	DM-TM-B
<input type="checkbox"/>	Device Management – TimeSynchronization-A	DM-TS-A
<input checked="" type="checkbox"/>	Device Management – TimeSynchronization-B	DM-TS-B
<input type="checkbox"/>	Device Management – UTCTimeSynchronization-A	DM-UTC-A
<input checked="" type="checkbox"/>	Device Management – UTCTimeSynchronization-B	DM-UTC-B
<input type="checkbox"/>	Device Management – ReinitializeDevice-A	DM-RD-A
<input checked="" type="checkbox"/>	Device Management – ReinitializeDevice-B	DM-RD-B
<input type="checkbox"/>	Device Management – Backup and Restore-A	DM-BR-A
<input type="checkbox"/>	Device Management – Backup and Restore-B	DM-BR-B

**Device management**

<input type="checkbox"/>	Device Management – Restart-A	DM-R-A
<input type="checkbox"/>	Device Management – Restart-B	DM-R-B
<input type="checkbox"/>	Device Management – List Manipulation-A	DM-LM-A
<input checked="" type="checkbox"/>	Device Management – List Manipulation-B	DM-LM-B
<input type="checkbox"/>	Device Management – Object Creation and Deletion-A	DM-OCD-A
<input type="checkbox"/>	Device Management – Object Creation and Deletion-B	DM-OCD-B
<input type="checkbox"/>	Device Management – Virtual Terminal-A	DM-VT-A
<input type="checkbox"/>	Device Management – Virtual Terminal-B	DM-VT-B
<input type="checkbox"/>	Device Management – Automatic Network Mapping-A	DM-ANM-A
<input type="checkbox"/>	Device Management – Automatic Device Mapping-A	DM-ADM-A
<input type="checkbox"/>	Device Management – Automatic Time Synchronization-A	DM-ATS-A
<input type="checkbox"/>	Device Management – Manual Time Synchronization-A	DM-MTS-A

**Network management**

<input type="checkbox"/>	Network Management – Connection Establishment-A	NM-CE-A <sup>1)</sup>
<input type="checkbox"/>	Network Management – Connection Establishment-B	NM-CE-B <sup>2)</sup>
<input type="checkbox"/>	Network Management – Router Configuration-A	NM-RC-A
<input checked="" type="checkbox"/>	Network Management – Router Configuration-B	NM-RC-B

## 8.4 Standard object types supported

Object type	Supported	Can be created dynamically	Can be deleted dynamically
Analog Input	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analog Output	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analog Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Binary Input	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Binary Output	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Binary Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Calendar	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Command	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Device	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Event Enrollment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
File	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Group	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Loop	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi-State Input	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi-State Output	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Notification Class	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Program	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Schedule	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Averaging	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi-State Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trend Log	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Life-Safety-Point	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Life-Safety-Zone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Accumulator	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pulse-Converter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Event Log	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Global Group	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trend Log Multiple	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Load Control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Structured-View	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Door	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(unassigned)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Credential	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Point	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Rights	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access User	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Zone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Credential Data Input	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Network Security	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bitstring Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Characterstring Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Object type	Supported	Can be created dynamically	Can be deleted dynamically
Date Pattern Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Date Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Datetime Pattern Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Datetime Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Integer Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Large Analog Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Octetstring Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Positive Integer Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Time Pattern Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Time Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## Analog Input

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
Present_Value	<input checked="" type="checkbox"/>	W	
Description	<input checked="" type="checkbox"/>	R	
Device_Type	<input type="checkbox"/>		
Status_Flags	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	W	
Out_Of_Service	<input checked="" type="checkbox"/>	W	
Update_Interval	<input type="checkbox"/>		
Units	<input checked="" type="checkbox"/>	R	
Min_Pres_Value	<input checked="" type="checkbox"/>	R	
Max_Pres_Value	<input checked="" type="checkbox"/>	R	
Resolution	<input checked="" type="checkbox"/>	R	
COV_Increment	<input checked="" type="checkbox"/>	W	0 ... Max_Pres_Value
Time_Delay	<input checked="" type="checkbox"/>	W	
Notification_Class	<input checked="" type="checkbox"/>	W	
High_Limit	<input checked="" type="checkbox"/>	W	Min_Pres_Value ... Max_Pres_Value and High_Limit > Low_Limit
Low_Limit	<input checked="" type="checkbox"/>	W	Min_Pres_Value ... Max_Pres_Value and High_Limit > Low_Limit
Deadband	<input checked="" type="checkbox"/>	W	0 ... Max_Pres_Value
Limit_Enable	<input checked="" type="checkbox"/>	W	
Event_Enable	<input checked="" type="checkbox"/>	W	
Acked_Transitions	<input checked="" type="checkbox"/>	R	
Notify_Type	<input checked="" type="checkbox"/>	W	
Event_Time_Stamps	<input checked="" type="checkbox"/>	R	
Profile_Name	<input checked="" type="checkbox"/>	R	

## Analog Output

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
Present_Value	<input checked="" type="checkbox"/>	W	
Description	<input checked="" type="checkbox"/>	R	
Device_Type	<input type="checkbox"/>		
Status_Flags	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	W	
Out_Of_Service	<input checked="" type="checkbox"/>	W	
Units	<input checked="" type="checkbox"/>	R	
Min_Pres_Value	<input checked="" type="checkbox"/>	R	
Max_Pres_Value	<input checked="" type="checkbox"/>	R	
Resolution	<input checked="" type="checkbox"/>	R	
Priority_Array	<input checked="" type="checkbox"/>	R	
Relinquish_Default	<input checked="" type="checkbox"/>	W	Min_Pres_Value ... Max_Pres_Value
COV_Increment	<input checked="" type="checkbox"/>	R	0 ... Max_Pres_Value
Time_Delay	<input checked="" type="checkbox"/>	W	
Notification_Class	<input checked="" type="checkbox"/>	W	
High_Limit	<input checked="" type="checkbox"/>	W	Min_Pres_Value ... Max_Pres_Value and High_Limit > Low_Limit
Low_Limit	<input checked="" type="checkbox"/>	W	Min_Pres_Value ... Max_Pres_Value and High_Limit > Low_Limit
Deadband	<input checked="" type="checkbox"/>	W	0 ... Max_Pres_Value
Limit_Enable	<input checked="" type="checkbox"/>	W	
Event_Enable	<input checked="" type="checkbox"/>	W	
Acked_Transitions	<input checked="" type="checkbox"/>	R	
Notify_Type	<input checked="" type="checkbox"/>	W	
Event_Time_Stamps	<input checked="" type="checkbox"/>	R	
Profile_Name	<input checked="" type="checkbox"/>	R	



Analog Value

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	☒	R	
Object_Name	☒	R	
Object_Type	☒	R	
Present_Value	☒	W	
Description	☒	R	
Status_Flags	☒	R	
Event_State	☒	R	
Reliability	☒	W	
Out_Of_Service	☒	W	
Units	☒	R	
Priority_Array	☒	R	
Relinquish_Default	☒	W	Min_Pres_Value ... Max_Pres_Value
COV_Increment	☒	W	0 .. Max_Pres_Value
Time_Delay	☒	W	
Notification_Class	☒	W	
High_Limit	☒	W	Min_Pres_Value ... Max_Pres_Value and High_Limit > Low_Limit
Low_Limit	☒	W	Min_Pres_Value ... Max_Pres_Value and High_Limit > Low_Limit
Deadband	☒	W	0 ... Max_Pres_Value
Limit_Enable	☒	W	
Event_Enable	☒	W	
Acked_Transitions	☒	R	
Notify_Type	☒	W	
Event_Time_Stamps	☒	R	
Profile_Name	☒	R	

Analog Value  
(object tag = 300)

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	☒	R	
Object_Name	☒	R	
Object_Type	☒	R	
Present_Value	☒	W	
Description	☒	R	
Status_Flags	☒	R	
Event_State	☒	R	
Out_Of_Service	☒	R	
Units	☒	R	
COV_Increment	☒	R	
Profile_Name	☒	R	

## Binary Input

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
Present_Value	<input checked="" type="checkbox"/>	W	
Description	<input checked="" type="checkbox"/>	R	
Device_Type	<input type="checkbox"/>		
Status_Flags	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	W	
Out_Of_Service	<input checked="" type="checkbox"/>	W	
Polarity	<input checked="" type="checkbox"/>	W	
Inactive_Text	<input checked="" type="checkbox"/>	R	
Active_Text	<input checked="" type="checkbox"/>	R	
Change_Of_State_Time	<input checked="" type="checkbox"/>	R	
Change_Of_State_Count	<input checked="" type="checkbox"/>	W	
Time_Of_State_Count_Reset	<input checked="" type="checkbox"/>	R	
Elapsed_Active_Time	<input checked="" type="checkbox"/>	R	
Time_Of_Active_Time_Reset	<input checked="" type="checkbox"/>	R	
Time_Delay	<input checked="" type="checkbox"/>	W	0 .. 65535
Notification_Class	<input checked="" type="checkbox"/>	W	
Alarm_Value	<input checked="" type="checkbox"/>	W	
Event_Enable	<input checked="" type="checkbox"/>	W	
Acked_Transitions	<input checked="" type="checkbox"/>	R	
Notify_Type	<input checked="" type="checkbox"/>	W	
Event_Time_Stamps	<input checked="" type="checkbox"/>	R	
Profile_Name	<input checked="" type="checkbox"/>	R	

Binary Output

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
Present_Value	<input checked="" type="checkbox"/>	W	
Description	<input checked="" type="checkbox"/>	R	
Device_Type	<input type="checkbox"/>		
Status_Flags	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	W	
Out_Of_Service	<input checked="" type="checkbox"/>	W	
Polarity	<input checked="" type="checkbox"/>	W	
Inactive_Text	<input checked="" type="checkbox"/>	R	
Active_Text	<input checked="" type="checkbox"/>	R	
Change_Of_State_Time	<input checked="" type="checkbox"/>	R	
Change_Of_State_Count	<input checked="" type="checkbox"/>	W	
Time_Of_State_Count_Reset	<input checked="" type="checkbox"/>	R	
Elapsed_Active_Time	<input checked="" type="checkbox"/>	W	
Time_Of_Active_Time_Reset	<input checked="" type="checkbox"/>	R	
Minimum_Off_Time	<input checked="" type="checkbox"/>	W	0 .. 65535
Minimum_On_Time	<input checked="" type="checkbox"/>	W	0 .. 65535
Priority_Array	<input checked="" type="checkbox"/>	R	
Relinquish_Default	<input checked="" type="checkbox"/>	W	
Time_Delay	<input checked="" type="checkbox"/>	W	0 .. 65535
Notification_Class	<input checked="" type="checkbox"/>	W	
Feedback_Value	<input checked="" type="checkbox"/>	R	
Event_Enable	<input checked="" type="checkbox"/>	W	
Acked_Transitions	<input checked="" type="checkbox"/>	R	
Notify_Type	<input checked="" type="checkbox"/>	W	
Event_Time_Stamps	<input checked="" type="checkbox"/>	R	
Profile_Name	<input checked="" type="checkbox"/>	R	

**Binary Value**

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
Present_Value	<input checked="" type="checkbox"/>	W	
Description	<input checked="" type="checkbox"/>	R	
Status_Flags	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	W	
Out_Of_Service	<input checked="" type="checkbox"/>	W	
Inactive_Text	<input checked="" type="checkbox"/>	R	
Active_Text	<input checked="" type="checkbox"/>	R	
Change_Of_State_Time	<input checked="" type="checkbox"/>	R	
Change_Of_State_Count	<input checked="" type="checkbox"/>	W	
Time_Of_State_Count_Reset	<input checked="" type="checkbox"/>	R	
Elapsed_Active_Time	<input checked="" type="checkbox"/>	W	
Time_Of_Active_Time_Reset	<input checked="" type="checkbox"/>	R	
Minimum_Off_Time	<input checked="" type="checkbox"/>	W	0 .. 65535
Minimum_On_Time	<input checked="" type="checkbox"/>	W	0 .. 65535
Priority_Array	<input checked="" type="checkbox"/>	R	
Relinquish_Default	<input checked="" type="checkbox"/>	W	
Time_Delay	<input checked="" type="checkbox"/>	W	0 .. 65535
Notification_Class	<input checked="" type="checkbox"/>	W	
Alarm_Value	<input checked="" type="checkbox"/>	W	
Event_Enable	<input checked="" type="checkbox"/>	W	
Acked_Transitions	<input checked="" type="checkbox"/>	R	
Notify_Type	<input checked="" type="checkbox"/>	R	
Event_Time_Stamps	<input checked="" type="checkbox"/>	R	
Profile_Name	<input checked="" type="checkbox"/>	R	

**Binary Value  
(object tag = 301)**

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
Present_Value	<input checked="" type="checkbox"/>	W	
Description	<input checked="" type="checkbox"/>	R	
Status_Flags	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Out_Of_Service	<input checked="" type="checkbox"/>	R	
Profile_Name	<input checked="" type="checkbox"/>	R	

**Calendar**

<b>Properties</b>	<b>supported</b>	<b>Readable/ Writable</b>	<b>Range restrictions</b>
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
Description	<input checked="" type="checkbox"/>	R	
Present_Value	<input checked="" type="checkbox"/>	R	
Date_List	<input checked="" type="checkbox"/>	W	Max. 20
Profile_Name	<input checked="" type="checkbox"/>	R	

**Device**

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
System_Status	<input checked="" type="checkbox"/>	R	
Vendor_Name	<input checked="" type="checkbox"/>	R	
Vendor_Identifier	<input checked="" type="checkbox"/>	R	
Model_Name	<input checked="" type="checkbox"/>	R	
Firmware_Revision	<input checked="" type="checkbox"/>	R	
Application_Software_Version	<input checked="" type="checkbox"/>	R	
Location	<input checked="" type="checkbox"/>	R	
Description	<input checked="" type="checkbox"/>	R	
Protocol_Version	<input checked="" type="checkbox"/>	R	
Protocol_Revision	<input checked="" type="checkbox"/>	R	
Protocol_Services_Supported	<input checked="" type="checkbox"/>	R	
Protocol_Object_Types_Supported	<input checked="" type="checkbox"/>	R	
Object_List	<input checked="" type="checkbox"/>	R	
Structured_Object_List	<input type="checkbox"/>		
Max_APDU_Length_Accepted	<input checked="" type="checkbox"/>	R	
Segmentation_Supported	<input checked="" type="checkbox"/>	R	
Max_Segments_Accepted	<input checked="" type="checkbox"/>	R	
VT_Classes_Supported	<input type="checkbox"/>		
Active_VT_Sessions	<input type="checkbox"/>		
Local_Time	<input checked="" type="checkbox"/>	R	
Local_Date	<input checked="" type="checkbox"/>	R	
UTC_Offset	<input checked="" type="checkbox"/>	R	
Daylight_Savings_Status	<input checked="" type="checkbox"/>	R	
APDU_Segment_Timeout	<input checked="" type="checkbox"/>	R	
APDU_Timeout	<input checked="" type="checkbox"/>	R	
Number_Of_APDU_Retries	<input checked="" type="checkbox"/>	R	
List_Of_Session_Keys	<input type="checkbox"/>		
Time_Synchronization_Recipients	<input type="checkbox"/>		
Max_Master	<input type="checkbox"/>		
Max_Info_Frames	<input type="checkbox"/>		
Device_Address_Binding	<input checked="" type="checkbox"/>	R	
Database_Revision	<input checked="" type="checkbox"/>	R	
Configuration_Files	<input type="checkbox"/>		
Last_Restore_Time	<input type="checkbox"/>		
Backup_Failure_Timeout	<input type="checkbox"/>		
Active_COV_Subscriptions	<input checked="" type="checkbox"/>	R	
Slave_Proxy_Enable	<input type="checkbox"/>		
Manual_Slave_Adress_Binding	<input type="checkbox"/>		
Auto_Slave_Discovery	<input type="checkbox"/>		
Slave_Address_Binding	<input type="checkbox"/>		

**Device**

Properties	supported	Readable/ Writable	Range restrictions
Last_Restart_Reason	<input type="checkbox"/>		
Time_Of_Device_Restart	<input type="checkbox"/>		
Restart_Notification_Recipients	<input type="checkbox"/>		
UTC_Time_Synchronization_Recipients	<input type="checkbox"/>		
Time_Synchronization_Interval	<input type="checkbox"/>		
Align_Intervals	<input type="checkbox"/>		
Interval_Offset	<input type="checkbox"/>		
Profile_Name	<input checked="" type="checkbox"/>	R	

**Multistate Input**

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
Present_Value	<input checked="" type="checkbox"/>	W	1 ... Number_Of_States
Description	<input checked="" type="checkbox"/>	R	
Device_Type	<input checked="" type="checkbox"/>	R	
Status_Flags	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	W	
Out_Of_Service	<input checked="" type="checkbox"/>	W	
Number_Of_States	<input checked="" type="checkbox"/>	R	
State_Text	<input checked="" type="checkbox"/>	R	
Time_Delay	<input checked="" type="checkbox"/>	W	0 .. 65535
Notification_Class	<input checked="" type="checkbox"/>	W	
Alarm_Values	<input checked="" type="checkbox"/>	W	
Fault_Values	<input checked="" type="checkbox"/>	W	
Event_Enable	<input checked="" type="checkbox"/>	W	
Acked_Transitions	<input checked="" type="checkbox"/>	R	
Notify_Type	<input checked="" type="checkbox"/>	W	
Event_Time_Stamps	<input checked="" type="checkbox"/>	R	
Profile_Name	<input checked="" type="checkbox"/>	R	

## Multistate Output

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
Present_Value	<input checked="" type="checkbox"/>	W	1 .. Number_Of_States
Description	<input checked="" type="checkbox"/>	R	
Device_Type	<input checked="" type="checkbox"/>	R	
Status_Flags	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	W	
Out_Of_Service	<input checked="" type="checkbox"/>	W	
Number_Of_States	<input checked="" type="checkbox"/>	R	
State_Text	<input checked="" type="checkbox"/>	R	
Priority_Array	<input checked="" type="checkbox"/>	R	
Relinquish_Default	<input checked="" type="checkbox"/>	W	1 .. Number_Of_States
Time_Delay	<input checked="" type="checkbox"/>	W	0 .. 65535
Notification_Class	<input checked="" type="checkbox"/>	W	
Feedback_Value	<input checked="" type="checkbox"/>	R	
Event_Enable	<input checked="" type="checkbox"/>	W	
Acked_Transitions	<input checked="" type="checkbox"/>	R	
Notify_Type	<input checked="" type="checkbox"/>	W	
Event_Time_Stamps	<input checked="" type="checkbox"/>	R	
Profile_Name	<input checked="" type="checkbox"/>	R	



**Multistate Value**

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
Present_Value	<input checked="" type="checkbox"/>	W	1 .. Number_Of_States
Description	<input checked="" type="checkbox"/>	R	
Status_Flags	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	W	
Out_Of_Service	<input checked="" type="checkbox"/>	W	
Number_Of_States	<input checked="" type="checkbox"/>	R	
State_Text	<input checked="" type="checkbox"/>	R	
Priority_Array	<input checked="" type="checkbox"/>	R	
Relinquish_Default	<input checked="" type="checkbox"/>	W	1 .. Number_Of_States
Time_Delay	<input checked="" type="checkbox"/>	W	0 .. 65535
Notification_Class	<input checked="" type="checkbox"/>	W	
Alarm_Values	<input checked="" type="checkbox"/>	W	
Fault_Values	<input checked="" type="checkbox"/>	W	
Event_Enable	<input checked="" type="checkbox"/>	W	
Acked_Transitions	<input checked="" type="checkbox"/>	R	
Notify_Type	<input checked="" type="checkbox"/>	W	
Event_Time_Stamps	<input checked="" type="checkbox"/>	R	
Profile_Name	<input checked="" type="checkbox"/>	R	

**Multistate Value  
(object tag = 302)**

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
Present_Value	<input checked="" type="checkbox"/>	W	1...Number_Of_States
Description	<input checked="" type="checkbox"/>	R	
Status_Flags	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Out_Of_Service	<input checked="" type="checkbox"/>	R	
Number_Of_States	<input checked="" type="checkbox"/>	R	
Profile_Name	<input checked="" type="checkbox"/>	R	

**Notification Class**

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
Description	<input checked="" type="checkbox"/>	R	
Notification_Class	<input checked="" type="checkbox"/>	R	
Priority	<input checked="" type="checkbox"/>	W	
Ack_Required	<input checked="" type="checkbox"/>	W	
Recipient_List	<input checked="" type="checkbox"/>	W	Max. 20
Profile_Name	<input checked="" type="checkbox"/>	R	

**Schedule**

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
Present_Value	<input checked="" type="checkbox"/>	R	
Description	<input checked="" type="checkbox"/>	R	
Effective_Period	<input checked="" type="checkbox"/>	W	
Weekly_Schedule	<input checked="" type="checkbox"/>	W	Max. 6 per day
Exception_Schedule	<input checked="" type="checkbox"/>	W	Max. 10, max. 4 per exception
Schedule_Default	<input checked="" type="checkbox"/>	W	
List_Of_Object_Property_References	<input checked="" type="checkbox"/>	W	1 ref
Priority_For_Writing	<input checked="" type="checkbox"/>	W	
Status_Flags	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	W	
Out_Of_Service	<input checked="" type="checkbox"/>	W	
Profile_Name	<input checked="" type="checkbox"/>	R	

Trend Log

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
Description	<input checked="" type="checkbox"/>	R	
Enable	<input checked="" type="checkbox"/>	W	
Start_Time	<input checked="" type="checkbox"/>	W	
Stop_Time	<input checked="" type="checkbox"/>	W	
Log_DeviceObjectProperty	<input checked="" type="checkbox"/>	R	
Log_Interval	<input checked="" type="checkbox"/>	W	
COV_Resubscription_Interval	<input checked="" type="checkbox"/>	W	
Client_COV_Increment	<input checked="" type="checkbox"/>	W	
Stop_When_Full	<input checked="" type="checkbox"/>	W	
Buffer_Size	<input checked="" type="checkbox"/>	R	
Log_Buffer	<input checked="" type="checkbox"/>	R	
Record_Count	<input checked="" type="checkbox"/>	W	
Total_Record_Count	<input checked="" type="checkbox"/>	R	
Notification_Threshold	<input checked="" type="checkbox"/>	W	
Records_Since_Notification	<input checked="" type="checkbox"/>	R	
Last_Notify_Record	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Notification_Class	<input checked="" type="checkbox"/>	W	
Event_Enable	<input checked="" type="checkbox"/>	R	
Acked_Transitions	<input checked="" type="checkbox"/>	R	
Notify_Type	<input checked="" type="checkbox"/>	R	
Event_Time_Stamps	<input checked="" type="checkbox"/>	R	
Profile_Name	<input checked="" type="checkbox"/>	R	
Logging_Type	<input checked="" type="checkbox"/>	R	
Align_Intervals	<input type="checkbox"/>		
Interval_Offset	<input type="checkbox"/>		
Trigger	<input type="checkbox"/>		
Status_Flags	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	R	

## 8.5 Segmentation capability

<input checked="" type="checkbox"/>	Able to transmit segmented messages	Window size	4
<input checked="" type="checkbox"/>	Able to receive segmented messages	Window size	4

## 8.6 Data Link Layer options

<input checked="" type="checkbox"/>	BACnet IP, (Annex J)	
<input type="checkbox"/>	BACnet IP, (Annex J), Foreign Device	
<input type="checkbox"/>	ISO 8802-3, Ethernet (Clause 7)	
<input type="checkbox"/>	ANSI/ATA 878.1, 2.5 Mb. ARCNET (Clause 8)	
<input type="checkbox"/>	ANSI/ATA 878.1, RS-485 ARCNET (Clause 8), baud rate(s)	
<input type="checkbox"/>	MS/TP master (Clause 9), baud rate(s)	
<input type="checkbox"/>	MS/TP slave (Clause 9), baud rate(s)	
<input type="checkbox"/>	Point-To-Point, EIA 232 (Clause 10), baud rate(s)	
<input type="checkbox"/>	Point-To-Point, modem, (Clause 10), baud rate(s)	
<input type="checkbox"/>	LonTalk, (Clause 11), medium	
<input type="checkbox"/>	Other	:

## 8.7 Device address binding

Is static device binding supported?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
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## 8.8 Networking options

<input type="checkbox"/>	Router, Clause 6 (remote management functionality/BACnet PTP)	
<input type="checkbox"/>	Annex H, BACnet Tunnelling Router over IP	
<input checked="" type="checkbox"/>	BACnet/IP Broadcast Management Device (BBMD) Number of BDT entries: 10	
	Does the BBMD support registrations by foreign devices?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

## 8.9 Character sets supported

Note

Indicating support for multiple character sets does not imply that they can all be supported simultaneously.

<input checked="" type="checkbox"/> ANSI X3.4	<input type="checkbox"/> IBM / Microsoft DBCS	<input checked="" type="checkbox"/> ISO 8859-1 <sup>1)</sup>
<input checked="" type="checkbox"/> ISO 10646 (UCS-2)	<input type="checkbox"/> ISO 10646 (UCS-4)	<input type="checkbox"/> JIS C 6226

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