

SIEMENS



Desigo PXC3 and DXR2 Automation Stations BACnet Protocol Implementation Conformance Statement (PICS) Basic documentation

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1 Desigo PXC3 and DXR2 Automation Stations

Date	: May 2016
Vendor name	: Siemens Building Technologies (Vendor ID 7)
Product name	: Desigo PXC3 and DXR2 Automation Stations
Product model number	: PXC3 and DXR2
BACnet protocol version	: 1:13
Application software version	: various
Firmware revision	DXR (DXR2 models): FW_DXR2.E_V01.20.54.247 PXC3 (non-100A models): FW_PXC3_V01.20.54.1223 PXC3 (100A models): FW_PXC3_V01.20.54.141

1.1 Product model number

The Desigo PXC3 and DXR2 Automation stations use the same PICS statement for all products listed:

Model	Description	Comm. Type	
DXR2.E09	Modular automation station	IP	
DXR2.E09T	Modular automation station	IP	
DXR2.E10	Modular automation station	IP	
DXR2.E12P	Modular automation station	IP	
DXR2.E18	Modular automation station	IP	
DXR2.M09	Modular automation station		MSTP
DXR2.M09T	Modular automation station		MSTP
DXR2.M10	Modular automation station		MSTP
DXR2.M11	Modular automation station		MSTP
DXR2.M12P	Modular automation station		MSTP
DXR2.M18	Modular automation station		MSTP
PXC3.E16A	Modular automation station	IP	
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	

1.2 Product description

The Desigo PXC3 and DXR2 controllers are freely configurable process units. These BACnet devices can be used in stand-alone or networked configurations.

1.3 BACnet standardized device profile (Annex L)

The Desigo PXC3 and DXR2 automation stations make up a range of products based on a common software and hardware platform. This PICS statement applies to all of the products listed, with minor differences related to physical hardware (for example, Ethernet vs. MSTP and different physical terminations).

<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)

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 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

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	SCHED-I-B
<input type="checkbox"/>	Scheduling – External-B	SCHED-E-B
<input type="checkbox"/>	Scheduling – Advanced View Modify-A	SCHED-AVM-A
<input type="checkbox"/>	Scheduling – View Modify-A	SCHED-VM-A
<input 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-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
<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

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 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"/>
Notification Forwarder	<input 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"/>

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	
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	
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	
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	
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	
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	
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"/>	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	
Polarity	<input checked="" type="checkbox"/>	W	
Inactive_Text	<input checked="" type="checkbox"/>	W	
Active_Text	<input checked="" type="checkbox"/>	W	
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	
Priority_Array	<input checked="" type="checkbox"/>	R	
Relinquish_Default	<input checked="" type="checkbox"/>	W	
Inactive_Text	<input checked="" type="checkbox"/>	W	
Active_Text	<input checked="" type="checkbox"/>	W	
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"/>	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_ID	<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_Objects_Supported	<input checked="" type="checkbox"/>	R	
	Object_List	<input checked="" type="checkbox"/>	R	
	Structured_Object_List	<input checked="" type="checkbox"/>	R	
	Max_APDU_Length_Accpeted	<input checked="" type="checkbox"/>	R	
	Segmentation_Supported	<input checked="" type="checkbox"/>	R	
	Max_Segments_Accepted	<input checked="" type="checkbox"/>	R	
	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	
	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	
	Active_COV_Subscriptions	<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	
	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"/>	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	

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	<input checked="" type="checkbox"/>	R	
Program_Address	<input checked="" type="checkbox"/>	R	
Description	<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"/>	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	
Event_Detection_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	
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	
Event_Detection_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	

Structured View

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	

Positive Integer 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"/>	R	
Units	<input checked="" type="checkbox"/>	W	
COV_Increment	<input checked="" type="checkbox"/>	W	
Profile_Name	<input checked="" type="checkbox"/>	R	

Alert 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	
Present_Value	<input checked="" type="checkbox"/>	R	
Notify_Type	<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	
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	
Profile_Name	<input checked="" type="checkbox"/>	R	

1.6 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

1.7 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 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	

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 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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 (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