



CB_Touch
BACnet Protocol Implementation
Conformance Statement (PICS)

Version 1.7.8

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1 BACnet Protocol Implementation Conformance Statement

Date	26.10.18
Vendor Name	Comsys Bärtsch AG
Product Name	CB_Touch
Product Model Number	5.0.0
BACnet Protocol Revision	1 Rev. 15
Application Software Version	5.0.0
Firmware Revision	4.1.7

2 Product Description

CB_Touch is a BMS Software that can act as a BACnet Advanced Operator Workstation (B-AWS).
 CB_Touch is able to communicate with BACnet devices via BACnet/IP.

3 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 BACnet interoperability building blocks supported (Annex K)

4.1 Data Sharing BIBBs

<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 checked="" type="checkbox"/>	Data Sharing – ChangeofValue -A	DS-COV-A
<input checked="" type="checkbox"/>	Data Sharing – ChangeofValueProperty -A	DS-COVP-A
<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

4.2 Alarm and Event Management

<input checked="" type="checkbox"/>	Alarm and Event – Notification-A	AE-N-A
<input checked="" type="checkbox"/>	Alarm and Event – ACK-A	AE-ACK-A
<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

4.3 Scheduling

<input checked="" type="checkbox"/>	Scheduling – View Modify-A	SCHED-VM-A
<input checked="" type="checkbox"/>	Scheduling – Advanced View Modify-A	SCHED-AVM-A

4.4 Trending

<input checked="" type="checkbox"/>	Trending – Automated Multiple Value Retrieval-A	T-AMVR-A
<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

4.5 Device and Network 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 checked="" type="checkbox"/>	Device Management – ReinitializeDevice-A	DM-RD-A
<input checked="" type="checkbox"/>	Device Management – Backup and Restore-A	DM-BR-A
<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 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
<input checked="" type="checkbox"/>	Device Management – Text Message-A	DM-TM-A
<input checked="" type="checkbox"/>	Device Management – Text Message-B	DM-TM-B

5 Standard Object Types Supported

Only the device object is supported.

5.1 Device

Dynamically Creatable	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Dynamically Deletable	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Proprietary Properties	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

Properties	Read	Write
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"/>
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"/>
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"/>
Local_Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Local_Date	<input checked="" type="checkbox"/>	<input type="checkbox"/>
UTC_Offset	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Daylight_Savings_Status	<input checked="" 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"/>
Time_Synchronization_Recipients	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Device_Address_Binding	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Database_Revision	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Configuration_Files	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Last_Restore_Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Backup_Failure_Timeout	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Backup_Preparation_Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Restore_Preparation_Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Restore_Completion_Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Backup_And_Restore_State	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Active_COV_Subscriptions	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Last_Restart_Reason	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Time_Of_Device_Restart	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Restart_Notification_Recipients	<input checked="" type="checkbox"/>	<input type="checkbox"/>
UTC_Time_Synchronization_Recipients	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Time_Synchronization_Interval	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Property_List	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Align Intervals	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Interval Offset	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

6 Client Supported Object Types

The following description defines all objects that CB_Touch is able to read as a BACnet client. That doesn't mean these objects may be present in CB_Touch.

Properties	Supported	Can be created dynamically	Can be deleted dynamically
Analog Input	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Analog Output	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Analog Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Binary Input	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Binary Output	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Binary Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Group	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Loop	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Multi-State Input	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Multi-State Output	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Multi-State Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Trend Log	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Life-Safety-Point	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Life-Safety-Zone	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Accumulator	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Pulse-Converter	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Event Log	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Global Group	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Trend Log Multiple	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Load Control	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Structured-View	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Access Door	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Timer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Access Credential	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Access Point	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Access Rights	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Access User	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Access Zone	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Credential Data Input	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Network Security	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Bitstring Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Characterstring Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Date Pattern Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Date Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Datetime Pattern Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Datetime Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Integer Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Large Analog Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Octetstring Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Positive Integer Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Time Pattern Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Time Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Notification Forwarder	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Alert Enrollment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Channel	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Lighting Output	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
binary-lighting-output	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
network-port	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
elevator-group	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
escalator	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
lift	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

7 Segmentation Capability

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

8 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 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

9 Device Address Binding

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

11 Character Sets Supported

<input checked="" type="checkbox"/>	ISO 10646 (UTF-8)	<input type="checkbox"/>	ISO 8859-1
<input type="checkbox"/>	ISO 10646 (UCS-4)	<input type="checkbox"/>	IBM™/Microsoft™ DBCS
<input type="checkbox"/>	ISO 10646 (UCS-2)	<input type="checkbox"/>	JIS X 0208 (JIS C 6226)

12 Network Security Options

<input checked="" type="checkbox"/>	Non-secure Device - is capable of operating without BACnet Network Security
<input type="checkbox"/>	Secure Device - is capable of using BACnet Network Security (NS-SD BIBB)
<input type="checkbox"/>	Multiple Application-Specific Keys
<input type="checkbox"/>	Supports encryption (NS-ED BIBB)
<input type="checkbox"/>	Key Server (NS-KS BIBB)