BACnet Testing Laboratories
Product Listing

BACnet functionality in each Listed product has been successfully tested at a Recognized BACnet Testing Organization utilizing the industry standard BTL test suite and test policies that were current at the time it was tested. For Listings with multiple products, some products may have less functionality than is indicated by the Listing document. The PICS document provides information on the specific functionality of each product. Note that PICS documents on the BTL Listings site are provided by the manufacturer and are not independently verified by BTL.

Listing Information (BTL-31359)

Vendor	Listing Status
Siemens Theilerstrasse 1a 6300 Zug Switzerland	Listed Product

Test Requirements	BACnet Protocol Revision	Date Tested
Requirements as of February 2024	Revision 20	March 2025

Product Name	Model Numbers	Firmware version
Desigo PXC7, PXC5 and PXC4 Automation Station	PXC7.E400L, PXC7.E400S, PXC7.E400M, PXC5.E003, PXC5.E24, PXC4.E16, PXC4.M16, PXC4.M16S, PXC4.E16S, PXC4.E16-2, PXC4.E16S-2, PXC4.M16-2, PXC4.M16S-2	02.22.233.20

Device Profiles

Profile	Model Numbers
BACnet Building Controller (B-BC) BACnet Secure Connect Hub (B-SCHUB) BACnet Router (B-RTR) BACnet Broadcast Management Device (B-BBMD)	All models

BIBBs Supported

Data Sharing	ReadProperty-A	DS-RP-A
	ReadProperty-B	DS-RP-B
	ReadPropertyMultiple-A	DS-RPM-A
	ReadPropertyMultiple-B	DS-RPM-B
	WriteProperty-A	DS-WP-A
	WriteProperty-B	DS-WP-B
	WritePropertyMultiple-B	DS-WPM-B
	Change Of Value-A	DS-COV-A
	Change Of Value-B	DS-COV-B
	Change Of Value Property-A	DS-COVP-A
	Change Of Value Property-B	DS-COVP-B
	Change Of Value Unsubscribed-B	DS-COVU-B

Alarm and Event Notification	Notification-A	AE-N-A
	Notification Internal-B	AE-N-I-B
	Notification External-B	AE-N-E-B
	Acknowledge-B	AE-ACK-B
	Information-B	AE-INFO-B
	Event Log-Internal-B	AE-EL-I-B
	Configurable Recipient Lists-B	AE-CRL-B

Scheduling	Internal-B	SCHED-I-B
	External-B	SCHED-E-B

Trending	Viewing and Modifying Trends Internal-B	T-VMT-I-B
	Viewing and Modifying Trends External-B	T-VMT-E-B
	Automated Trend Retrieval-B	T-ATR-B

Device Management	Dynamic Device Binding-A	DM-DDB-A
	Dynamic Device Binding-B	DM-DDB-B
	Dynamic Object Binding-B	DM-DOB-B
	DeviceCommunicationControl-B	DM-DCC-B
	TimeSynchronization-A	DM-TS-A
	TimeSynchronization-B	DM-TS-B
	UTCTimeSynchronization-A	DM-UTC-A
	UTCTimeSynchronization-B	DM-UTC-B
	ReinitializeDevice-B	DM-RD-B
	Backup and Restore-B	DM-BR-B
	Restart-B	DM-R-B
	List Manipulation-B	DM-LM-B
	Object Creation and Deletion-B	DM-OCD-B
	Automatic Time Synchronization-A	DM-ATS-A
	Manual Time Synchronization-A	DM-MTS-A
	Router Configuration-B	NM-RC-B
	BBMD Configuration-B	NM-BBMDC-B
	Foreign Device Registration-A	NM-FDR-A
	Secure Connect Hub-B	NM-SCH-B

Object Type Support

Accumulator	Alert Enrollment	Analog Input
Analog Output	Analog Value	Binary Input
Binary Output	Binary Value	Calendar
Date Value	Datetime Value	Device
Event Enrollment	Event Log	File
Integer Value	Loop	Multi-State Input
Multi-State Output	Multi-State Value	Network Port
Notification Class	Octetstring Value	Positive Integer Value
Program	Schedule	Structured View
Time Value	Trend Log	

Data Link Layer Options

Media	Options
BACnet/IP (Annex J)	BBMD Register as Foreign Device BACnet/IP, 'DIX' Ethernet
MS/TP Master	9600, 19200, 38400, 76800
BACnet/SC	Hub

Character Set Support

ISO 10646 (UTF-8)