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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-30870)

Vendor		Listing Status
Siemens Theilerstrasse 1a 6300 Zug Switzerland		Listed Product
Test Requirements	BACnet Protocol Revision	Date Tested
Requirements as of February 2021	Revision 15	March 2022

Product Name	Model Numbers	Firmware version
DESIGO PXC7, PXC5 and PXC4 Automation Station	PXC7.E400L, PXC7.E400S, PXC7.E400M, PXC5.E003, PXC4.M16, PXC4.M16S, PXC4.E16, PXC4.E16S	FW=02.20.142.10

Device Profiles

Profile	Model Numbers
BACnet Building Controller (B-BC)	All models
BACnet Broadcast Management Device (B-BBMD) BACnet Router (B-RTR)	PXC7.E400L, PXC7.E400S, PXC7.E400M, PXC5.E003
BACnet Secure Connect Hub (B-SCHUB)	PXC7.E400L, PXC7.E400S, PXC7.E400M, PXC5.E003, PXC4.E16, PXC4.E16S

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-A	DS-WPM-A
	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 Unsubscribed-A	DS-COVU-A
	Change Of Value Unsubscribed-B	DS-COVU-B

Alarm and Event Notification	Notification-A	AE-N-A
	Notification Internal-B	AE-N-I-B
	Acknowledge-B	AE-ACK-B
	Alarm Summary-B	AE-ASUM-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
	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
	Automatic Time Synchronization-A	DM-ATS-A
	Manual Time Synchronization-A	DM-MTS-A
	Router Configuration-B	NM-RC-B
	BBMD Configuration-B	NM-BBMD-C-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 Log	File	Integer Value
Loop	Multi-State Input	Multi-State Output
Multi-State Value	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 BBMD Register as Foreign Device BACnet/IP, 'DIX' Ethernet
MS/TP Master	9600, 19200, 38400, 76800

Character Set Support

ANSI X3.4 IBM/Microsoft DBCS JIS X 0208 ISO 10646 (UCS-4) ISO 10646 (UCS-2) ISO 8859-1
