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-31183)

Vendor		Listing Status
MSA Safety 1000 Cranberry Woods Drive Cranberry Township, PA 16066 USA		Listed Product
Test Requirements	BACnet Protocol Revision	Date Tested
Requirements as of January 2023	Revision 16	February 2024

Product Name	Model Numbers	Firmware version
ProtoNode	FPC-Ny-x where y = Hardware platform (1, 2, 3, 4, 35, 36, 38, 39, 40, 41,42,43, 54, 64) x = Customer configuration parameters (0000-9999)	Firmware - V2.23m, Application – V1.00 a (A)
ProtoAir	FPA-Wy-x, FPA-Cy-x where y = Hardware platform (1, 2, 3, 4, 35, 36, 38, 39, 40, 41,42,43, 54, 64) x = Customer configuration parameters (0000-9999)	Firmware - V2.23m, Application – V1.00 a (A)
ProtoCessor	FPC-Ey-x where y = Hardware platform (1, 2, 3, 4, 35, 36, 38, 39, 40, 41,42,43, 54, 64) x = Customer configuration parameters (0000-9999)	Firmware - V2.23m, Application – V1.00 a (A)
ProtoCarrier	FPC-Cy-x where y = Hardware platform (1, 2, 3, 4, 35, 36, 38, 39, 40, 41,42,43, 54, 64) x = Customer configuration parameters (0000-9999)	Firmware - V2.23m, Application – V1.00 a (A)
QuickServer	FS-QS-yabd-F, PS-QS-yabd-F where a = Point count available (0 = 250, 1 = 500, 2 = 1,000, 3 = 3,000, 4 = 5,000, 5 = 10,000) b = RS232 or RS-485 (0 = RS-485, 1 = RS-232) d = LonWorks or RS-485 (1 = LonWorks, 0 = RS-485) y = Hardware platform (1, 2, 3, 4, 35, 36, 38, 39, 40, 41,42,43, 54, 64)	Firmware - V2.23m, Application – V1.00 a (A)
EZ Gateway	FS-EZa-g-g where a = Point count available (0 = 250, 1 = 500, 2 = 1,000, 3 = 3,000, 4 = 5,000, 5 = 10,000) g = Protocol combination (Modbus, KNX, M-Bus, BACnet)	Firmware - V2.23m, Application – V1.00 a (A)
BACnet IoT Gateway	FS-IoT-BAC	Firmware - V2.23m, Application – V1.00 a (A)

Device Profiles

Profile	Model Numbers
BACnet Application Specific Controller (B-ASC) BACnet Gateway (B-GW)	All models

BIBBs Supported

Data Sharing	ReadProperty-B	DS-RP-B
	ReadPropertyMultiple-B	DS-RPM-B
	WriteProperty-B	DS-WP-B
	WritePropertyMultiple-B	DS-WPM-B
	Change Of Value-B	DS-COV-B

Alarm and Event Notification	Notification Internal-B	AE-N-I-B
	Acknowledge-B	AE-ACK-B
	Information-B	AE-INFO-B
	LifeSafety-B	AE-LS-B
	Configurable Recipient Lists-B	AE-CRL-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-B	DM-TS-B
	ReinitializeDevice-B	DM-RD-B
	List Manipulation-B	DM-LM-B
	Router Configuration-B	NM-RC-B
	BBMD Configuration-B	NM-BBMDC-B
	Virtual Network-B	GW-VN-B
	Embedded Objects-B	GW-EO-B

Object Type Support

Analog Input	Analog Output	Analog Value
Binary Input	Binary Output	Binary Value
Device	Life Safety Point	Multi-State Input
Multi-State Output	Multi-State Value	Notification Class
Trend Log		

Data Link Layer Options

Media	Options
BACnet/IP (Annex J)	BBMD BBMD BACnet/IP, 'DIX' Ethernet
MS/TP Master and Slave	9600, 19200, 38400, 76800, 115200
Ethernet	ISO 8802-3, 10BASET

Character Set Support

ISO 10646 (UTF-8)