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## BACnet Testing Laboratories Product Listing

*This product has been tested at a qualified BACnet Testing Laboratory and found to comply with all the necessary interoperability requirements in place on the published test date. This listing represents the tested capability of the Listed Products. For information on additional functionality that was not covered in the test process, refer to the manufacturer's PICS statement on the BI website.*

### Listing Information

Vendor		Listing Status
MRBAS Co.,Ltd C-1103, H Business Park, 26, Beobwon-ro 9 Gil, Songpa-gu, Seoul, 05836 South Korea		Listed Product
Test Requirements	BACnet Protocol Revision	Date Tested
Requirements as of July 2009	Revision 6	August 2011

Product Name	Model Number(s)	Software Version
mrBCON	eBCON	3.40

### Device Profiles

Profile	Model Numbers
BACnet Building Controller (B-BC)	All models

### BIBBs Supported

Data Sharing	ReadProperty-A	DS-RP-A
	WriteProperty-A	DS-WP-A
	ReadProperty-B	DS-RP-B
	WriteProperty-B	DS-WP-B
	ReadPropertyMultiple-A	DS-RPM-A
	ReadPropertyMultiple-B	DS-RPM-B
	WritePropertyMultiple-B	DS-WPM-B
	COV-A	DS-COV-A
	COV-B	DS-COV-B

Alarm and Event Management	Alarm and Event-Notification-A	AE-N-A
	Alarm and Event-Notification Internal-B	AE-N-I-B
	Alarm and Event-Notification External-B	AE-N-E-B
	Alarm and Event-ACK-B	AE-ACK-B
	Alarm and Event-Alarm Summary-B	AE-ASUM-B
	Alarm and Event-Enrollment Summary-B	AE-ESUM-B
	Alarm and Event-Information-B	AE-INFO-B

Scheduling	Scheduling Internal-B	SCHED-I-B
	Scheduling 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 and Network Management	Dynamic Device Binding-A	DM-DDB-A
	Dynamic Device Binding-B	DM-DDB-B
	Dynamic Object Binding-A	DM-DOB-A
	Dynamic Object Binding-B	DM-DOB-B
	Backup and Restore-B	DM-BR-B
	DeviceCommunicationControl-B	DM-DCC-B
	ReinitializeDevice-B	DM-RD-B
	Automatic TimeSynchronization-A	DM-ATS-A
	TimeSynchronization-A	DM-TS-A
	TimeSynchronization-B	DM-TS-B
	UTCTimeSynchronization-A	DM-UTC-A
	UTCTimeSynchronization-B	DM-UTC-B
	Object Creation and Deletion-B	DM-OCD-B

## Object Type Support

Analog Input	Analog Output	Analog Value
Binary Input	Binary Output	Binary Value
Calendar	Device	Event Enrollment
File	Loop	Program
Multi-state Input	Multi-state Value	
Notification Class	Schedule	Trend Log

## Data Link Layer Options

Media	Options
MS/TP master	9600, 19200, 38400, 76800
Ethernet	10BASE5, 10BASE2, 10BASET, fiber
BACnet/IP (Annex J)	BBMD

## Networking Options

Networking Functionality	Media
Router	BACnet/IP (Annex J), Ethernet, MS/TP

# Character Set Support

ANSI X3.4 / UTF-8