ProtoConvert Protocol Driver Sheet
BAS Router (BACnet Multi-Network Router)

Version: 2.12 / Rev. 1.B

1 BACNET PROTOCOL IMPLEMENTATION CONFORMANCE STATEMENT

Date	February 2014
BACnet Vendor Name	Sierra Monitor Corporation
BACnet Vendor ID	37
Product Name	BAS Router
Product Model Number	FS-Router-BAC and FS-Router-BAC2
Product Description	Device to Route between BACnet/IP, ISO 8802-3 and MS/TP networks
Protocol Conversions	See Sierra Monitor's list of protocol drivers to determine available protocol conversions
BACnet Protocol Version	Version 1 Revision 12

1.1 BACnet Standardized Device Profile (Annex L)

	BACnet Operator Workstation (B-OWS)
	BACnet Building Controller (B-BC)
	BACnet Advanced Application Controller (B-AAC)
	BACnet Application Specific Controller (B-ASC)
	BACnet Smart Sensor (B-SS)
	BACnet Smart Actuator (B-SA)

1.2 BACnet Interoperability Building Blocks Supported (Annex K)

DS-RP-B Data Sharing – ReadProperty – B
DS-WP-B Data Sharing – WriteProperty – B
NM-RC-B Network Management – Router Configuration – B
DM-DDB-B Device Management – Dynamic Device Binding – B

1.3 Segmentation Capability

None

1.4 Standard Object Types Supported

Object Type Supported	Can Be Created Dynamically	Can Be Deleted Dynamically
Device *	No	No

* Device object supports the following optional properties: Description, Location, UTC Offset, Active COV Subscriptions, Database Revision.

1.5 Data Link Layer Options

	BACnet IP, (Annex J)
	ISO 8802-3, Ethernet (Clause 7)
	ANSI/ATA 878.1, EIA-485 ARCNET (Clause 8), baud rate(s)
	MS/TP master (Clause 9), baud rate(s): 9600; 19200; 38400; 76800; 115200
	MS/TP slave (Clause 9), baud rate(s)
	Point-To-Point, EIA 232 (Clause 10), baud rate(s)
	Point-To-Point, modem, (Clause 10), baud rate(s)
	LonTalk, (Clause 11), medium
	Other

1.6 Device Address Binding

Is static device binding supported? (This is currently necessary for two-way communication with MS/TP slaves and certain other devices).

☐ Yes	☒ No

1.7 Networking Options

	Router, Clause 6 – routing between BACnet/IP, ISO 8802-3, and MS/TP
	Annex H, BACnet Tunneling Router over IP
	BACnet/IP Broadcast Management Device (BBMD)
	Does the BBMD support registration by Foreign Devices ☒ Yes ☐ No

1.8 Character Sets Supported

Where support for multiple character sets is indicated, this does not imply that they can all be supported simultaneously.

	ANSI X3.4
	ISO 10646 (UCS-2)
	IBM/Microsoft DBCS
	ISO 10646 (UCS-4)
	ISO 8859-1
	JIS C 6226

1.9 Non-BACnet Equipment/Networks Supported

If this product is a communication gateway, describe the types of non-BACnet equipment/networks(s) that the gateway supports.