



FieldServer Protocol Driver Sheet

BAS Router (BACnet Multi-Network Router)

Version: 2.12 / Rev. 0

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
Product Description:	Device to Route between BACnet/IP, ISO 8802-3 and MS/TP networks.
Protocol Conversions:	See FieldServer Technologies 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

<input checked="" type="checkbox"/>	BACnet IP, (Annex J)
<input checked="" type="checkbox"/>	ISO 8802-3, Ethernet (Clause 7)
<input type="checkbox"/>	ANSI/ATA 878.1, EIA-485 ARCNET (Clause 8), baud rate(s):
<input checked="" type="checkbox"/>	MS/TP master (Clause 9), baud rate(s): 9600; 19200; 38400; 76800; 115200
<input type="checkbox"/>	MS/TP slave (Clause 9), baud rate(s):
<input type="checkbox"/>	Point-To-Point, EIA 232 (Clause 10), baud rate(s):
<input type="checkbox"/>	Point-To-Point, modem, (Clause 10), baud rate(s):
<input type="checkbox"/>	LonTalk, (Clause 11), medium:
<input type="checkbox"/>	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/network(s) that the gateway supports