

BACnet Router

BACnet Protocol Implementation Conformance Statement

Date:	September 2016
BACnet Vendor Name:	SWG Automation Fuzhou Limited
Product Name:	BACnet Router
Product Model Number:	BACRouter
Application Software Version:	1.0
Firmware Revision:	19
BACnet Protocol Version:	Version 1 Revision 14
Product Description:	Device to Route between BACnet/IP, ISO 8802-3 and MS/TP networks.

BACnet Standardized Device Profile (Annex L):

- BACnet Operator Workstation (B-OWS)
- BACnet Advanced Operator Workstation (B-AWS)
- BACnet Operator Display (B-OD)
- 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)

List all BACnet Interoperability Building Blocks Supported (Annex K):

Only specified service supported:

BACnet Service	Initialize	Execute
ReadProperty	x	
ReadPropertyMultiple	x	
WhoIs		x
IAm	x	

Segmentation Capability:

- Able to transmit segmented messages Window Size _____
- Able to receive segmented messages Window Size _____

Standard Object Types Supported: None

Data Link Layer Options:

- BACnet IP, (Annex J)
- BACnet IP, (Annex J), Foreign Device
- ISO 8802-3, Ethernet (Clause 7)
- ATA 878.1, 2.5 Mb. ARCNET (Clause 8)
- ATA 878.1, EIA-485 ARCNET (Clause 8), baud rate(s):_____
- MS/TP master (Clause 9), baud rate(s): 9600, 19200, 38400, 57600, 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:_____
- BACnet/ZigBee (ANNEX O)
- Other:_____

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

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 registrations by Foreign Devices? Yes No

Does the BBMD support network address translation? Yes No

Number of BDT entries: 148

Number of FDT entries: 148

Supported network layer message:

Network Layer Message	Initialize	Execute
Who-Is-Router-To-Network	x	x
I-Am-Router-To-Network	x	x
Router-Busy-To-Network	x	x
Router-Available-To-Network	x	x
Reject-Message-To-Network	x	x

Network Security Options:

- Non-secure Device - is capable of operating without BACnet Network Security
- Secure Device - is capable of using BACnet Network Security (NS-SD BIBB)
 - Multiple Application-Specific Keys:
 - Supports encryption (NS-ED BIBB)
 - Key Server (NS-KS BIBB)

Character Sets Supported:

Indicating support for multiple character sets does not imply that they can all be supported simultaneously.

- ISO 10646 (UTF-8)
- IBM™/Microsoft™ DBCS
- ISO 8859-1
- ISO 10646 (UCS-2)
- ISO 10646 (UCS-4)
- JIS X 0208

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