



BASrouterSX

BACnet® Multi-Network Router with Optional GSA Compliance

BACnet Protocol Implementation Conformance Statement (Annex A)

Date: July 31, 2024

Vendor Name: Contemporary Controls

Product Name: BASrouterSX

Product Model Number: BASRTSX-B

Applications Software Version: 1.0.0 **Firmware Revision:** 1.2.0 **BACnet Protocol Revision:** 15

Product Description: BASRTSX-B BACnet® Multi-Network Router with slave proxy support and optional GSA compliance.

BACnet Standardized Device Profile (Annex L):

- BACnet Router (B-RTR)**
- BACnet Broadcast Management Device (B-BBMD)**

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

- DS-RP-B Data Sharing — ReadProperty – B
- DS-RPM-B Data Sharing – ReadPropertyMultiple – B
- DM-DOB-B Device Management — Dynamic Object Binding – B
- DM-DDB-B Device Management — Dynamic Device Binding – B
- NM-RC-B Network Management — Router Configuration – B
- NM-BBMD-B Network Management — BBMD Configuration – B

Segmentation Capability:

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

Standard Object Types Supported:

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

No optional properties are supported. **NOTE:** The above object is directed supported on the router. The router will pass to the appropriate network all BACnet communications not directed to the router.

Data Link Layer Options:

- BACnet IP, (Annex J)
- BACnet IP, (Annex J), Foreign Device
- 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; 19,200; 38,400; 57,600; 76,800; 115,200
- 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:

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 Tunnelling Router over IP
 - BACnet/IP Broadcast Management Device (BBMD)
- Does the BBMD support registrations by Foreign Devices? Yes No

Character Sets Supported:

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

- ISO 10646 UTF-8

If this product is a communication gateway, describe the types of non-BACnet equipment/network(s) that the gateway supports: No gateway support.