



BASrouter

BACnet Multi-Network Router

BACnet Protocol Implementation Conformance Statement (Annex A)

Date: 15 February 2018

Vendor Name: Contemporary Controls

Product Name: BASrouter

Product Model Number: BASRT-B

Applications Software Version: 3.0.3 **Firmware Revision:** 3.0.3 **BACnet Protocol Revision:** 13

Product Description: The BASrouter from Contemporary Controls provides BACnet routing between BACnet/IP, MS/TP and ISO 8802-3 networks. It also supports BACnet Broadcast Management Device (BBMD) and Foreign Device Registration (FDR). By supporting two BACnet/IP UDP ports it can also assist BACnet messages in traversing NAT routers.

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:

Segmentation is not supported.

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 Broadcast Management Device (BBMD)
- BACnet IP, (Annex J), Network Address Translation (NAT Traversal)
- 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; 76,800
- 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:

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

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.