



BASgatewaySX

Modbus to BACnet® Converter with SSL

BACnet Protocol Implementation Conformance Statement (Annex A)

Date: January 2, 2025
Vendor Name: Contemporary Controls
Product Name: BASgatewaySX
Product Model Number: BASGSX-M1
Applications Software Version: 1.2.8 **Firmware Revision:** 2.0.9 **BACnet Protocol Revision:** 14
Product Description: Gateway between Modbus and BACnet.

BACnet Standardized Device Profile (Annex L):

- | | |
|---|--|
| <input type="checkbox"/> BACnet Operator Workstation (B-OWS) | <input type="checkbox"/> BACnet Advanced Application Controller (B-AAC) |
| <input type="checkbox"/> BACnet Advanced Operator Workstation (B-AWS) | <input checked="" type="checkbox"/> BACnet Application Specific Controller (B-ASC) |
| <input type="checkbox"/> BACnet Operator Display (B-OD) | <input type="checkbox"/> BACnet Smart Sensor (B-SS) |
| <input type="checkbox"/> BACnet Building Controller (B-BC) | <input type="checkbox"/> BACnet Smart Actuator (B-SA) |

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

- | | |
|--|---|
| DS-RP-B Data Sharing — ReadProperty – B | DM-DDB-B Device Management — Dynamic Device Binding – B |
| DS-WP-B Data Sharing — WriteProperty – B | DM-DOB-B Device Management — Dynamic Object Binding – B |
| DS-RPM-B Data Sharing — ReadPropertyMultiple – B | DM-DCC-B Device Management — Device Communication Control – B |
| DS-COV-B Data Sharing — ChangeOfValue – B | DM-TS-B Device Management — Time Synchronization – B |

Segmentation Capability:

- | | |
|--|--------------|
| <input type="checkbox"/> Able to transmit segmented messages | Window Size: |
| <input type="checkbox"/> Able to receive segmented messages | Window Size: |

Standard Object Types Supported:

Object Type Supported	Can Be Created Dynamically	Can Be Deleted Dynamically
Analog Input	No	No
Analog Output	No	No
Binary Input	No	No
Binary Output	No	No
Device	No	No

No optional properties are supported.

Data Link Layer Options:

- | | |
|--|---|
| <input checked="" type="checkbox"/> BACnet IP, (Annex J) | <input type="checkbox"/> MS/TP slave (Clause 9), baud rate(s): |
| <input checked="" type="checkbox"/> BACnet IP, (Annex J), Foreign Device | <input type="checkbox"/> Point-To-Point, EIA 232 (Clause 10), baud rate(s): |
| <input type="checkbox"/> ISO 8802-3, Ethernet (Clause 7) | <input type="checkbox"/> Point-To-Point, modem, (Clause 10), baud rate(s): |
| <input type="checkbox"/> ATA 878.1, 2.5 Mb. ARCNET (Clause 8) | <input type="checkbox"/> LonTalk, (Clause 11), medium: |
| <input type="checkbox"/> ATA 878.1, EIA-485 ARCNET (Clause 8), baud rate(s): | <input type="checkbox"/> BACnet/Zigbee (Annex O) |
| <input type="checkbox"/> MS/TP master (Clause 9), baud rate(s): | <input type="checkbox"/> 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 — List all routing configurations, e.g., ARCNET-Ethernet, Ethernet-MS/TP, etc.
 Annex H, BACnet Tunnelling 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

Character Sets Supported:

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

- | | | |
|---|---|-------------------------------------|
| <input checked="" type="checkbox"/> ISO 10646 (UTF-8) | <input type="checkbox"/> IBM™/Microsoft™ DBCS | <input type="checkbox"/> ISO 8859-1 |
| <input type="checkbox"/> ISO 10646 (UCS-2) | <input type="checkbox"/> ISO 10646 (UCS-4) | <input type="checkbox"/> JIS X 0208 |

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

Modbus gateway support.

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)
 Key Server (NS-KS BIBB)