BACnet Protocol Implementation Conformance Statement

Date: 21-May-2024
Vendor Name: Control Solutions, Inc.
Product Name: ValuPoint VP6-1470
Product Model Number: VP6-1470
Applications Software Version: 6.01.7 **Firmware Revision:** 6.01.7 **BACnet Protocol Revision:** 15

Product Description:
BACnet IP to MS/TP Router with MQTT Gateway and local physical programmable I/O

BACnet Standardized Device Profile (Annex L):
☑ **BACnet Application Specific Controller (B-ASC)**
☑ **BACnet Gateway (B-GW)**
☑ **BACnet Router (B-RTR)**

List all BACnet Interoperability Building Blocks Supported (Annex K):
DS-RP-A, DS-RP-B, DS-RPM-B, DS-WP-A, DS-WP-B, DS-WPM-B, DS-COV-B, DS-COVU-B, DM-DDB-A,
DM-DDB-B, DM-DOB-B, DM-DCC-B, DM-RD-B, DM-R-B, GW-EO-B, DM-SP-B,
NM-RC-B, NM-BBMDC-B, NM-FDR-A

Segmentation Capability:

☑ Segmented requests supported   Window Size <u>8</u>
☑ Segmented responses supported   Window Size <u>8</u>

Standard Object Types Supported:

An object type is supported if it may be present in the device. For each standard Object Type supported provide the following data:
　　1) Whether objects of this type are dynamically creatable using the CreateObject service
　　2) Whether objects of this type are dynamically deletable using the DeleteObject service
　　3) List of the optional properties supported
　　4) List of all properties that are writable where not otherwise required by this standard
　　5) List of proprietary properties and for each its property identifier, datatype, and meaning
　　6) List of any property range restrictions

Object types: AI, AO, AV, BI, BO, BV, MSI, MSO, MSV, DEV (all static)
All standard properties supported. See additional documentation for optional properties.

Data Link Layer Options:

☑ BACnet IP, (Annex J)
☐ BACnet IP, (Annex J), Foreign Device
☐ ISO 8802-3, Ethernet (Clause 7)
☐ ANSI/ATA 878.1, 2.5 Mb. ARCNET (Clause 8)
☐ ANSI/ATA 878.1, RS-485 ARCNET (Clause 8), baud rate(s) _____
☑ MS/TP master (Clause 9)
      ☑ Master   ☑ Slave
      ☐ Non-isolated transceiver   ☑ Isolated transceiver
      ☐ Local 47K ohms bias resistors   ☑ None   ☐ Other: Jumper selectable 390ohm
      Transceiver unit loading: ☐ 1   ☐ ½   ☐ ¼   ☑ ⅛
      Data rates: ☑ 9600 ☑ 19200 ☑ 38400 ☐ 57600 ☑ 76800 ☐ 115200
☐ 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 - List all routing configurations: BACnet IP (Annex J) to 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

Character Sets Supported:

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

☑ ANSI X3.4   ☐ IBM™/Microsoft™ DBCS   ☐ ISO 8859-1
☐ ISO 10646 (UCS-2)   ☐ ISO 10646 (UCS-4)   ☐ JIS C 6226

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

MQTT brokers