

Date: 10/04/13

Vendor Name: Autani Corporation

Product Name: BACnet Interface

Product Model Number:

Applications Software Version: 1 **Firmware Revision:** 0.5.3

BACnet Protocol Revision: 5

Product Description:

This BACnet service allows a BACnet client to control and monitor devices connected to an Autani Manager.

BACnet Standardized Device Profile (Annex L)

	BACnet Operator Workstation (B-OWS)
	BACnet Building Controller (B-BC)
	BACnet Advanced Application Controller (B-AAC)
x	BACnet Application Specific Controller (B-ASC)
	BACnet Smart Sensor (B-SS)
	BACnet Smart Actuator (B-SA)

List all BACnet Interoperability Building Blocks supported (see Annex K in BACnet Addendum 135d):

DS-RP-B Read Property
DS-WP-B Write Property
DM-DDB-B Dynamic Device Binding
DM-DOB-B Dynamic Object Binding
DM-DCC-B Device Communication Control
DS-RPM-B ReadPropertyMultiple
DS-WPM-B WritePropertyMultiple
DM-RD-B Reinitialize Device
DS-COVU-A,B UnconfirmedCOV

Which of the following device binding methods does the product support? (check one or more)

	Send Who-Is, receive I-Am (BIBB DM-DDB-A)
x	Receive Who-Is, send I-Am (BIBB DM-DDB-B)
	Send Who-Has, receive I-Have (BIBB DM-DOB-A)
x	Receive Who-Has, send I-Have (BIBB DM-DOB-B)
	Manual configuration of recipient device's network number and MAC address
	None of the above

Standard Object Types Supported:

Analog Input Object Type

- 1. Dynamically creatable using BACnet's CreateObject service? No
- 2. Dynamically deletable using BACnet's DeleteObject service? No

3. List of optional properties supported:

Description, Reliability

4. List of all properties that are writable where not otherwise required by this standard

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5. List of proprietary properties:

Property Identifier	Property Datatype	Meaning

6. List of any property value range restrictions:

Property Identifier	Restrictions

List of non-dynamic object identifiers and their meaning in this device

Object Identifier	Meaning

Analog Value Object Type

1. Dynamically creatable using BACnet's CreateObject service? No
2. Dynamically deletable using BACnet's DeleteObject service? No

3. List of optional properties supported:

Description, Priority_Array, Relinquish_Default, Reliability

4. List of all properties that are writable where not otherwise required by this standard

Present_Value

5. List of proprietary properties:

Property Identifier	Property Datatype	Meaning

6. List of any property value range restrictions:

Property Identifier	Restrictions
Present_Value	<p>Thermostat set points cannot be set outside of the heat and cool limits configured for each thermostat.</p> <p>For dimmable lights, it is recommended to change mode (a multi-state value) to turn lights on or off, rather than using dim level. Once the lights are on, dim level can be used to adjust the light level.</p> <p>Percentage values are limited to between 0 and 100, except for fans with reversible motors which are limited to between -100 and 100.</p>

Binary Input Object Type

- 1. Dynamically creatable using BACnet's CreateObject service? No
- 2. Dynamically deletable using BACnet's DeleteObject service? No

3. List of optional properties supported:

Description, Reliability

4. List of all properties that are writable where not otherwise required by this standard

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5. List of proprietary properties:

Property Identifier	Property Datatype	Meaning

6. List of any property value range restrictions:

Property Identifier	Restrictions

Character String Value Object Type

- 1. Dynamically creatable using BACnet's CreateObject service? No
- 2. Dynamically deletable using BACnet's DeleteObject service? No

3. List of optional properties supported:
Description, Event State, Reliability

4. List of all properties that are writable where not otherwise required by this standard

5. List of proprietary properties:

Property Identifier	Property Datatype	Meaning

6. List of any property value range restrictions:

Property Identifier	Restrictions

Multi-state Input Object Type

- 1. Dynamically creatable using BACnet's CreateObject service? No
- 2. Dynamically deletable using BACnet's DeleteObject service? No

3. List of optional properties supported:
Description, Reliability, State_Text

4. List of all properties that are writable where not otherwise required by this standard

5. List of proprietary properties:

Property Identifier	Property Datatype	Meaning

6. List of any property value range restrictions:

Property Identifier	Restrictions

Multi-state Value Object Type

- 1. Dynamically creatable using BACnet's CreateObject service? No
- 2. Dynamically deletable using BACnet's DeleteObject service? No

3. List of optional properties supported:

Description, Reliability, State_Text

4. List of all properties that are writable where not otherwise required by this standard

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5. List of proprietary properties:

Property Identifier	Property Datatype	Meaning

6. List of any property value range restrictions:

Property Identifier	Restrictions
Present_Value	0-254 states
	Setting of state without a corresponding state text (EG: "") is not allowed.

Device Object Type

1. Dynamically creatable using BACnet's CreateObject service? No
2. Dynamically deletable using BACnet's DeleteObject service? No

3. List of optional properties supported:

Description
Location

4. List of all properties that are writable where not otherwise required by this standard

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5. List of proprietary properties:

Property Identifier	Property Datatype	Meaning
4000	Array / String	List of curtailments defined on the Manager.
4001	Unsigned Integer	Current curtailment level. When this property is written to, the specified curtailment is put in place for the duration specified by property 4002.
4002	Unsigned Integer	Duration to apply a curtailment for, in minutes.

6. List of any property value range restrictions:

Property Identifier	Restrictions
Object_Identifier	Device Type only
Number_Of_APDU_Retries	0-255
APDU_Timeout	0-65535 milliseconds
Vendor_Identifier	0-65535
System_Status	

Data Link Layer Options (check all that are supported):

X	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), baud rate(s):	
	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:	

Networking Options (check all that are supported):

	Router, Clause 6 - List all routing configurations (e.g. ARCNET-Ethernet, Ethernet-MS/TP, etc.):	
	Annex H.3, BACnet Tunneling Router over UDP/IP	
X	BACnet/IP Broadcast Management Device (BBMD)	
X	BBMD supports registrations by Foreign Devices	

Segmentation Capability (check all that apply):

		Window Size
	Segmented requests supported	
	Segmented responses supported	

Character Sets Supported (check all that apply):

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

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

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

Allows communication with devices connected to the Manager, including devices on autaniNet and wired (RS485, Modbus) networks.

Include any addition information about the product's BACnet capabilities relevant to interoperability: