BACnet Protocol Implementation Conformance Statement (Annex A)

Date: March 15, 2024
Vendor Name: ADFweb.com S.r.l.
Product Name: BACnet slave / CAN - Converter
Product Model Number: HD67677-IP-A1, HD67677-MSTP-A1, HD67677-MSTP-B2, HD67677-PTP-A1, HD67677-PTP-B2
Application Software Version: 1.0 **Firmware Revision:** 1.0 **BACnet Protocol Revision:** 12

Product Description:

Converter between BACnet and CAN.

BACnet Standardized Device Profile (Annex L):

- ☐ BACnet Operator Workstation (B-OWS)
- ☐ BACnet Advanced Operator Workstation (B-AWS)
- ☐ BACnet Operator Display (B-OD)
- ☐ BACnet Building Controller (B-BC)
- ☐ BACnet Advanced Application Controller (B-AAC)
- ☒ BACnet Application Specific Controller (B-ASC)
- ☐ BACnet Smart Sensor (B-SS)
- ☐ BACnet Smart Actuator (B-SA)

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

DS-RP-B Data Sharing – ReadProperty – B
DS-WP-B Data Sharing – WriteProperty –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
Analog Input	No	No
Analog Output	No	No
Binary Input	No	No
Binary Output	No	No
Positive Integer Value	No	No
Large Analog Value	No	No
Integer Value	No	No
Device	No	No

No optional properties are supported. No proprietary properties are present.

Analog Input Properties

Object_Identifier	Present_Value	Event_State
Object_Name	Description	Out_Of_Service
Object_Type	Status_Flags	Units

Analog Output Properties

Object_Identifier	Present_Value	Event_State
Object_Name	Description	Out_Of_Service
Object_Type	Status_Flags	Units

Binary Input Properties

Object_Identifier	Present_Value	Event_State
Object_Name	Description	Out_Of_Service
Object_Type	Status_Flags	Polarity

Binary Output Properties

Object_Identifier	Present_Value	Event_State
Object_Name	Description	Out_Of_Service
Object_Type	Status_Flags	Polarity

Positive Integer Value Properties

Object_Identifier	Present_Value	Event_State
Object_Name	Description	Out_Of_Service
Object_Type	Status_Flags	Units

Large Analog Value Properties

Object_Identifier	Present_Value	Event_State
Object_Name	Description	Out_Of_Service
Object_Type	Status_Flags	Units

Integer Value Properties

Object_Identifier	Present_Value	Event_State
Object_Name	Description	Out_Of_Service
Object_Type	Status_Flags	Units

Device Properties

Object_Identifier	Model_Name	Protocol_Object_Types_Supported
Object_Name	Firmware_Revision	Object_List
Object_Type	Application_Software_Revision	Max_APDU_Length_Accepted
System_Status	Protocol_Version	Segmentation_Supported
Vendor_Name	Protocol_Revision	
Vendor_Identifier	Protocol_Services_Supported	

Data Link Layer Options:

☒ BACnet IP, (Annex J)
☐ BACnet IP, (Annex J), Foreign Device
☐ ISO 8802-3, Ethernet (Clause 7)
☐ ATA 878.1, 2.5 Mb. ARCNET (Clause 8)
☐ ATA 878.1, EIA-485 ARCNET (Clause 8), baud rate(s)
☐ MS/TP master (Clause 9), baud rate(s):
☒ MS/TP slave (Clause 9), baud rate(s): 9600, 19200, 38400, 57600, 76800, 115200
☒ Point-To-Point, EIA 232 (Clause 10), baud rate(s): 9600, 115200
☐ Point-To-Point, modem, (Clause 10), baud rate(s):
☐ LonTalk, (Clause 11), medium:
☐ BACnet/ZigBee (ANNEX O)
☐ 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 Tunneling 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.

☒ ISO 10646 (UTF-8)	☐ IBM™/Microsoft™ DBCS	☐ ISO 8859-1
☐ ISO 10646 (UCS-2)	☐ ISO 10646 (UCS-4)	☐ JIS X 0208

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

CAN network

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)
☐ Multiple Application-Specific Keys:
☐ Supports encryption (NS-ED BIBB)
☐ Key Server (NS-KS BIBB)