

BACnet Protocol Implementation Conformance Statement (Annex A)

Date: March 22, 2016

Vendor Name: ADFweb.com S.r.l.

Product Name: BACnet master / MQTT - Converter

Product Model Number: HD67937-IP-B2, HD67937-MSTP-B2

Application Software Version: 1.0 **Firmware Revision:** 1.0 **BACnet Protocol Revision:** 12

Product Description:

Converter between BACnet and MQTT.

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 Blocks Supported (Annex K):

DS-RP-A Data Sharing – ReadProperty – A

DS-WP-A Data Sharing – WriteProperty – A

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
Device	No	No

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

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): 9600, 19200, 38400, 57600, 76800, 115200
- ☐ 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:
- ☐ 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.

- | | | |
|---|---|-------------------------------------|
| <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/networks(s) that the gateway supports:

MQTT 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)