



*This document does not include complete instructions for the safe use of the described equipment. Make sure that you have read and understood the original user documentation for the equipment before proceeding.*

# BACnet PICS

## BACnet Protocol Implementation Conformance Statement (PICS)

Date: 2016-11-22  
Vendor Name: HMS Industrial Networks AB  
Product Name: Anybus Modbus to BACnet Gateway  
Product Model Number: AB9900  
Application Software Version: 1.0  
Firmware Revision: 1.0.0.0  
BACnet Protocol Revision: 12

### Product Description:

Modbus – BACnet MS/TP & BACnet IP Gateway

Abstraction of Modbus Registers as BACnet Objects.

### BACnet Standardized Device Profile (Annex L):

- ☐ BACnet Operator Workstation (B-OWS)
- ☐ 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)

Additional BACnet Interoperability Building Blocks Supported (Annex K):  
Reference of BIBBs List

### Segmentation Capability:

Segmented request supported	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	Window Size - 16 -
Segmented responses supported	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	Window Size - 16 -

### 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), 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: \_\_\_\_\_
- ☐ 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

### 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 |

### Gateway

If this product is a communication gateway, describe the types of non-BACnet equipment/network(s) that the gateway supports:  
**Modbus RTU (EIA485) and TCP networks.**