PBDP-1000 BACnet PICS

BACnet Protocol Implementation Conformance Statement (PICS)

| Date: Vendor Name: | August 18 ICC, Inc. | | | | | | | | |
|---|---|---|--|--|--|--|--|--|--|
| Product Name: Product Model Number: | PBDP-100 PBDP-100 | 00 Multiprotocol Profibus DP-V1 Gateway | | | | | | | |
| Applications Software Version: | V5.200 | | | | | | | | |
| Firmware Revision: BACnet Protocol Revision: | V5.200 12 | | | | | | | | |
| Product Description: | 12 | | | | | | | | |
| supports native BACnet, 19200, 38400, 57600, 76 | The PBDP-1000 is a Profibus DP-V1 to RS-485 multiprotocol gateway. This product supports native BACnet, connecting directly to the MS/TP LAN using baud rates of 9600, 19200, 38400, 57600, 76800, and 115200. The device can be configured as a BACnet Client or as a BACnet Server. | | | | | | | | |
| BACnet Standard Device Profi | le (Annex | L): | | | | | | | |
| □ BACnet Operator Workstation□ BACnet Building Controller (B | ` , | | | | | | | | |
| ☐ BACnet Advanced Application | , | (B-AAC) | | | | | | | |
| ☑ BACnet Application Specific C☑ BACnet Smart Sensor (B-SS) | • | 3-ASC) | | | | | | | |
| ☐ BACnet Smart Actuator (B-SA | | | | | | | | | |
| | | | | | | | | | |
| BACnet Interoperability Buildin | ng Blocks | Supported (Annex K): | | | | | | | |
| □ Data Sharing – ReadProperty □ Data Sharing – Read Sharing – ReadProperty □ Data Sharing – Read Sharing – | | | | | | | | | |
| ☑ Data Sharing – ReadProperty-B (DS-RP-B)☑ Data Sharing – ReadPropertyMultiple-B (DS-RPM-B) | | | | | | | | | |
| □ Data Sharing – WriteProperty- | -A (DS-WP | (-A) | | | | | | | |
| ☑ Data Sharing – WriteProperty-B (DS-WP-B)☑ Data Sharing – WritePropertyMultiple-B (DS-WPM-B) | | | | | | | | | |
| ☑ Device Management – Dynamic Device Binding-A (DM-DDB-A) ☑ Device Management – Dynamic Device Binding-B (DM-DDB-B) | | | | | | | | | |
| ☑ Device Management – Dynam | | | | | | | | | |
| ☑ Device Management – Device☑ Device Management – Reinitia | | | | | | | | | |
| ☑ Device Management – Reinitio | alizeDevice | (DIVI-RD-D) | | | | | | | |
| Segmentation Capability: | | | | | | | | | |
| ☐ Able to transmit segmented m | | Window Size | | | | | | | |
| ☐ Able to receive segmented me | essages | Window Size | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Standard Object Types Supported:

| | Object Type | | | | | | | | | | | |
|---------------------------|----------------|-----------------|------------------|---|-----------------|------------------|-----------------|--------------------------|---------------------------|--------------------------|--|--|
| Property | Device | Binary Input | Binary Output | | Analog Input | Analog Output | Analog Value | Multi- state Input | Multi- state Output | Multi- state Value | | |
| Object Identifier | R | R | R | R | R | R | R | R | R | R | | |
| Object Name | R | R | R | R | R | R | R | R | R | R | | |
| Object Type | R | R | R | R | R | R | R | R | R | R | | |
| System Status | R | | | | | | | | | | | |
| Vendor Name | R | | | | | | | | | | | |
| Vendor Identifier | R | | | | | | | | | | | |
| Model Name | R | | | | | | | | | | | |
| Firmware Revision | R | | | | | | | | | | | |
| App Software Revision | R | | | | | | | | | | | |
| Protocol Version | R | | | | | | | | | | | |
| Protocol Revision | R | | | | | | | | | | | |
| Services Supported | R | | | | | | | | | | | |
| Object Types Supported | R | | | | | | | | | | | |
| Object List | R | | | | | | | | | | | |
| Max APDU Length | R | | | | | | | | | | | |
| Segmentation Support | R | | | | | | | | | | | |
| APDU Timeout | W (1065535) | | | | | | | | | | | |
| Number APDU Retries | W (010) | | | | | | | | | | | |
| Max Master | W (1127) | | | | | | | | | | | |
| Max Info Frames | R | | | | | | | | | | | |
| Device Address Binding | R | | | | | | | | | | | |
| Database Revision | R | | | | | | | | | | | |
| Present Value | | R | W | W | R | W | W | R | W | W | | |
| Status Flags | | R | R | R | R | R | R | R | R | R | | |
| Event State | | R | R | R | R | R | R | R | R | R | | |
| Reliability | | R | R | R | R | R | R | R | R | R | | |
| Out-of-Service | | R | R | R | R | R | R | R | R | R | | |
| Number of States | | | | | | | | R | R | R | | |
| Units | | | | | R | R | R | | | | | |
| Priority Array | | | R | R | | R | R | | R | R | | |
| Relinquish Default | | | R | R | | R | R | | R | R | | |
| Polarity | | R | R | | | | | | | | | |
| Inactive Text | | R | R | R | | | | | | | | |
| Active Text | | R | R | R | | | | | | | | |

R – readable using BACnet servicesW – readable and writable using BACnet services

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

Refer to protocol-specific manuals for other supported protocols.