



ProtoCessor Driver – BACnet Protocol Implementation Conformance Statement

BACnet Protocol

Date: February 3, 2005
Vendor Name: FieldServer Technologies
Product Name: FieldServer
Product Model Number: ASP-485 ProtoCessor

Product Description: This software product will provide bi-directional communication between various RTU, DCS, SCADA and PLC using most common protocols and a BACnet system. The FieldServer can perform protocol conversion (as opposed to routing) between the different BACnet Data Link Layer options. This is arranged by way of static mappings.

Protocol Conversions: See FieldServer Technologies list of protocol drivers available to determine available protocol conversions.

BACnet Standardized Device Profile (Annex L)

- BACnet Smart Sensor (B-SS)
- BACnet Smart Actuator (B-SA)
- BACnet Application Specific Controller (B-ASC)

BACnet Interoperability Building Blocks Supported (Annex K):

- K.1.2 BIBB - Data Sharing - ReadProperty-B (DS-RP-B)
- K.1.8 BIBB - Data Sharing - WriteProperty-B (DS-WP-B)
- K.5.2 BIBB - Device Management - Dynamic Device Binding-B (DM-DDB-B)

Segmentation Capability:

None

Standard Object Types Supported

- Device Object
- Analog Input
- Analog Output
- Analog Value
- Binary Input
- Binary Output
- Binary Value
- Multi State Input Output
- Multi State Output
- Multi State Value

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For all these properties the following apply:

1. Does not support BACnet CreateObject
2. Does not support BACnet DeleteObject
3. Does not support any optional properties
4. No additional writeable properties exist
5. No proprietary properties exist
6. No range restrictions exist

Data Link Layer Options:

- MS/TP master (Clause 9), baud rate up to 57600 bps
- MS/TP slave (Clause 9), baud rate up to 57600 bps

Device Address Binding:

Not supported

Character Sets Supported:

Where support for multiple character sets is indicated, this does not imply that they can all be supported simultaneously.

- | | |
|--|--|
| <input checked="" type="checkbox"/> ANSI X3.4. | <input type="checkbox"/> ISO 10646 (ICS-4) |
| <input type="checkbox"/> ISO 10646 (UCS-2). | <input type="checkbox"/> ISO 8859-1 |
| <input type="checkbox"/> IBM/Microsoft | <input type="checkbox"/> JIS C |
| <input type="checkbox"/> DBCS | |



Revision History

Date	Resp	Format	Driver Version	Doc. Rev.	Comment
2/3/05	BDW		V1.01j	1	Created for ASP-485 ProtoCessor