

1 BACNET PROTOCOL IMPLEMENTATION CONFORMANCE STATEMENT

Date:	January 2012
Vendor Name:	Sierra Monitor Corporation
BACnet Vendor ID	37
Product Name:	FieldServer ProtoNode, QuickServer and ProtoCarrier/ProtoCessor FPC-CD2
Product Model Number:	ProtoNode RER (FPC-N32), ProtoCarrier/ProtoCessor FPC-CD2, QuickServer, FPC-FD2 ProtoCessor FFP-485
Product Description:	ProtoCessors are low cost TTL to RS-485 and Ethernet Embedded Coprocessor modules enabling OEM's to rapidly implement BACnet in their products. Any third-party vendor can use ProtoCessor modules to add a BACnet interface to their devices.
Protocol Conversions:	See FieldServer Technologies list of protocol drivers to determine available protocol conversions.
BACnet Protocol Version	Version 1 Revision 4.

1.1.1 BACnet Standardized Device Profile (Annex L) – [Note: FieldServer is a gateway device]

BACnet Application Specific Controller (B-ASC)

1.1.2 BACnet Interoperability Building Blocks Supported (Annex K):

<input checked="" type="checkbox"/>	K.1.2 BIBB - Data Sharing - ReadProperty-B (DS-RP-B)
<input checked="" type="checkbox"/>	K.1.4 BIBB - Data Sharing - ReadPropertyMultiple-B (DS-RPM-B)
<input checked="" type="checkbox"/>	K.1.8 BIBB - Data Sharing - WriteProperty-B (DS-WP-B)
<input checked="" type="checkbox"/>	K.1.10 BIBB - Data Sharing - WritePropertyMultiple-B (DS-WPM-B)
<input checked="" type="checkbox"/>	K.1.12 BIBB - Data Sharing - COV-B (DS-COV-B)
<input checked="" type="checkbox"/>	K.2.2 BIBB - Alarm and Event-Notification Internal-B (AE-N-I-B)
<input checked="" type="checkbox"/>	K.2.5 BIBB - Alarm and Event-ACK-B (AE-ACK-B)
<input checked="" type="checkbox"/>	K.2.11 BIBB - Alarm and Event-Information-B (AE-INFO-B)
<input checked="" type="checkbox"/>	K.5.1 BIBB - Device Management - Dynamic Device Binding-A (DM-DDB-A)
<input checked="" type="checkbox"/>	K.5.2 BIBB - Device Management - Dynamic Device Binding-B (DM-DDB-B)
<input checked="" type="checkbox"/>	K.5.4 BIBB - Device Management - Dynamic Object Binding-B (DM-DOB-B)
<input checked="" type="checkbox"/>	K.5.6 BIBB - Device Management - DeviceCommunicationControl-B (DM-DCC-B)
<input checked="" type="checkbox"/>	K.5.12 BIBB - Device Management - TimeSynchronization-B (DM-TS-B)
<input checked="" type="checkbox"/>	K.5.22 BIBB - Device Management – List Manipulation-B (DM-LM-B)

1.1.3 Segmentation Capability:

None

1.1.4 Standard Object Types Supported

<input checked="" type="checkbox"/>	Device Object
<input checked="" type="checkbox"/>	Analog Input
<input checked="" type="checkbox"/>	Analog Output
<input checked="" type="checkbox"/>	Analog Value
<input checked="" type="checkbox"/>	Binary Input
<input checked="" type="checkbox"/>	Binary Output
<input checked="" type="checkbox"/>	Binary Value
<input checked="" type="checkbox"/>	Multi State Input
<input checked="" type="checkbox"/>	Multi State Output
<input checked="" type="checkbox"/>	Multi State Value
<input checked="" type="checkbox"/>	Notification Class Object

1.1.5 Unsupported Properties and Restrictions

1. Does not support BACnet CreateObject
2. Does not support BACnet DeleteObject
3. No proprietary properties exist

1.1.6 Data Link Layer Options:

<input checked="" type="checkbox"/>	BACnet IP, (Annex J)
<input checked="" type="checkbox"/>	MS/TP master (Clause 9), baud rate up to 76.8 Kbps
<input checked="" type="checkbox"/>	MS/TP slave (Clause 9), baud rate up to 76.8 Kbps

1.1.7 Device Address Binding:

Not supported

1.1.8 Networking Options:

<input type="checkbox"/>	Router, Clause 6 – List all routing configurations, e.g., ARCNET-Ethernet, Ethernet-MS/TP, etc.
<input type="checkbox"/>	Annex H, BACnet Tunneling Router over IP
<input checked="" type="checkbox"/>	BACnet/IP Broadcast Management Device (BBMD)
<input checked="" type="checkbox"/>	Registrations by Foreign Devices

1.1.9 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"/>	ISO 10646 (UTF-8) / ANSI X3.4..
<input type="checkbox"/>	ISO 10646 (UCS-2).
<input type="checkbox"/>	IBM/Microsoft DBCS
<input type="checkbox"/>	ISO 10646 (ICS-4)
<input type="checkbox"/>	ISO 8859-1
<input type="checkbox"/>	JIS C

1.1.10 Non-BACnet equipment/networks supported

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

- Modbus RTU
- Modbus TCP
- LonWorks
- Metasys N2
- SNMP
- DNP 3.0 serial and Ethernet
- XML
- GE-EGD
- GE-SRTP
- OPC
- Allen Bradley DF1
- Allen Bradley CSP
- Canatal
- Carrier
- Caterpillar MSX
- ControlNet
- DataAire
- DeviceNet
- EST3 ECP
- EST QuickStart
- Fike Cheetah
- Gamewell-FCI
- GE-SNP
- JBus
- Lutron
- McQuay
- Mircom
- Notifier Fire Panels
- Profibus
- Russelectric
- Secutron
- Siemens Fire Safety
- Silent Knight
- SimplexGrinnell
- Spectronics
- Stulz
- TAC I/Net
- Veeder-Root
- YorkTalk