



FieldServer PROFIBUS DP Master FS-B3520-05

- Interface to over 100 protocols in FieldServer protocol driver library
- Easy to configure and maintain
- Serial, Ethernet and LonWorks ports
- PROFIBUS DP Master port
- Proven FieldServer support

PROFIBUS DP Master – Serial – Ethernet – LonWorks®

The FieldServer PROFIBUS DP Master gateway makes it easy for integrators to interface devices utilizing various building or industrial protocols to PROFIBUS DP Master networks. As the leading manufacturer of protocol gateways in the building automation industry, FieldServer has developed the largest driver library in the industry and the widest range of gateways available, designed to meet the needs of system integrators.

The FS-B3520-05 provides a wealth of features to enable data transfer between different devices and networks utilizing serial (RS-232 or RS-485), Ethernet, LonWorks and PROFIBUS DP Master. The multiport design allows for serial-to-serial, serial-to-Ethernet, LonWorks and PROFIBUS DP Master interfaces. With a larger point count than any similar gateway, the FieldServer FS-B35 series provides a single device solution for your networking needs. The FieldServer is designed to meet a wide range of interface needs and it is easily configured as a master or a slave.

Configuration is easy, but if needed, configuration services are available from FieldServer Technologies support team. The proven FieldServer support team is recognized around the world for its knowledge of the many different protocols involved in building automation.

FieldServer Technologies continuously strives to enhance our gateways and the latest FS-B35 series includes a major software upgrade, resulting in significant enhancements in performance, including:

- **40% higher point count capability** - some protocols are major memory hogs, and the result is that they can slow down performance of any gateway. With the greater memory enhancement, the FS-B35 Series can easily handle all of the drivers extremely well.
- **Memory utilization monitoring** - the user is provided with application memory statistics (in both kB and as a percentage of the available memory) enabling optimal matching of device models and configurations to specific applications.
- **Improved stability and performance under high loads** - the new software enhances the operation making it more forgiving to configuration problems with fewer crashes when capacity limits are reached.
- **USB firmware update** - this allows the firmware or configuration of the FieldServer to be updated from a USB flash drive whenever it is inserted, enabling users to easily update firmware in the field. This is a great time saver if you have multiple FieldServers in the field.

FieldServer has the interoperability solution for:

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|-------------------------------|----------------------------------|----------------------------------|
| • AC Controls | • Fire Alarm Panels | • Power Managers |
| • Boiler Controls | • Flowmeters | • Power Systems |
| • Building Automation Systems | • Fume Hood Controllers | • Programmable Logic Controllers |
| • Chillers | • Gas Panels | • Temperature Controllers |
| • Control Systems | • Generators | • Variable Frequency Drives |
| • Distributed Control Systems | • GUI (Graphical User Interface) | • Weigh Scales |
| • Energy Management Systems | • IAQ Sensors | • And more! |

Specifications

Field Connections

- **Ethernet Ports – 2**
 - ◆ 100 BaseT RJ45 connector (auto sensing) with ESD protection
- **Serial Ports – 5**
 - ◆ 2 x RJ45 RS-232 galvanically isolated with ESD protection
 - ◆ 2 x RS-485 serial connectors galvanically isolated with ESD protection
 - ◆ 1 x RJ45 RS-232 system port
- **PROFIBUS DP – 1**
 - ◆ PROFIBUS DP Master
 - ◆ Standard PROFIBUS connector
 - ◆ Auto baudrate
 - ◆ Can connect to 125 PROFIBUS DP Slaves, each slave can handle 244 bytes input and 244 bytes output
- **LonWorks – 1**
 - ◆ FTT-10 twisted pair
 - ◆ 1000 Network variable capability
 - ◆ LonWorks service pin
- **Auxillary ports – 2**
 - ◆ 2 x USB ports

LED Indicators

- Power, Run, System Error, Configuration Error, Node Offline
- Ethernet connection – Link OK, Tx/Rx communication activity
- RS-232/RS-485 – Tx/Rx communication activity

Power Requirements

- 24 VAC (±10%) or 12-30 VDC

Environment

- Operating temperature: 0-60°C (32-140°F)
- Relative humidity: 10-90% RH non-condensing

Other

- Configuration/Diagnostic utilities
- Custom Configuration Services
- Base system has approximately 1000 point capability (upgradeable to 10,000 points)

Physical Dimensions (WxDxH)

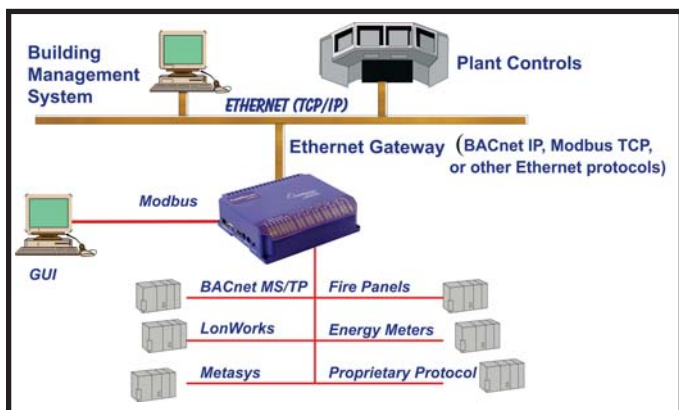
- 6.3 x 5.4 x 2.0 in. (16.0 x 13.7 x 5.0 cm)
- 2.5 lbs (1.5 Kg)

Mounting Options

- Desktop, Wall, Panel *Optional: DIN rail*

Approvals

- CE Marked
- CSA to UL916
- DNP3 Tested
- FCC Part 15
- LonMark Certified
- Modbus Tested
- OPC Compliant
- RoHS Compliant



Drivers available:

- Allen Bradley DF1
- BACnet/IP
- BACnet MS/TP
- Carrier
- Caterpillar M5X
- Cisco EnergyWise
- ControlNet
- DataAire
- DeviceNet
- EtherNet/IP
- Fire alarm panels for:
 - EST
 - Fike
 - Gamewell-FCI
 - Hochiki
 - Mircom
 - Notifier
 - Siemens
 - SimplexGrinnell
 - VESDA
- GE-SRTP
- Modbus RTU
- Modbus TCP
- OPC
- Point Six Wireless
- PROFIBUS
- SNMP
- Veeder-Root
- YorkTalk
- And More!