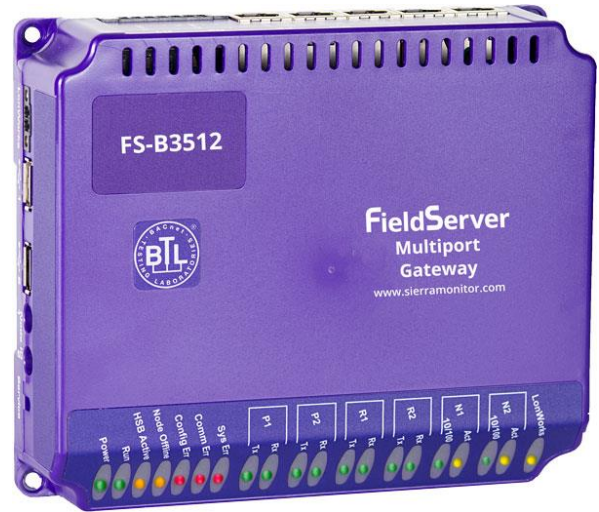


Overview

The FieldServer PROFIBUS DP Slave gateway makes it easy for integrators to interface devices utilizing various building or industrial protocols to PROFIBUS DP Slave 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-B3512-05 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 Slave 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 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 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:

- | | | |
|--|---|---|
| <ul style="list-style-type: none"> • AC Controls • Boiler Controls • Building Automation Systems • Chillers • Control Systems • Distributed Control Systems • Energy Management Systems | <ul style="list-style-type: none"> • Fire Alarm Panels • Flowmeters • Fume Hood Controllers • Gas Panels • Generators • GUI (Graphical User Interface) • IAQ Sensors | <ul style="list-style-type: none"> • Power Managers • Power Systems • Programmable Logic Controllers • Temperature Controllers • Variable Frequency Drives • Weigh Scales • 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 w/ ESD protection
 2 x RS-485 serial connectors with ESD protection
 1 x RJ45 RS-232 system port

PROFIBUS DP– 1

PROFIBUS DP Slave
 Standard PROFIBUS connector
 Auto baudrate
 Can emulate one PROFIBUS DP Slave Station
 244 Bytes Input
 244 Bytes Output
 Combined 416 Bytes

LonWorks – 1

FTT-10 twisted pair
 1000 Network variable capability
 LonWorks service pin

Auxiliary 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 1000 point capability
 (upgradeable to 10,000 points)

Physical Dimensions (WxDxH)

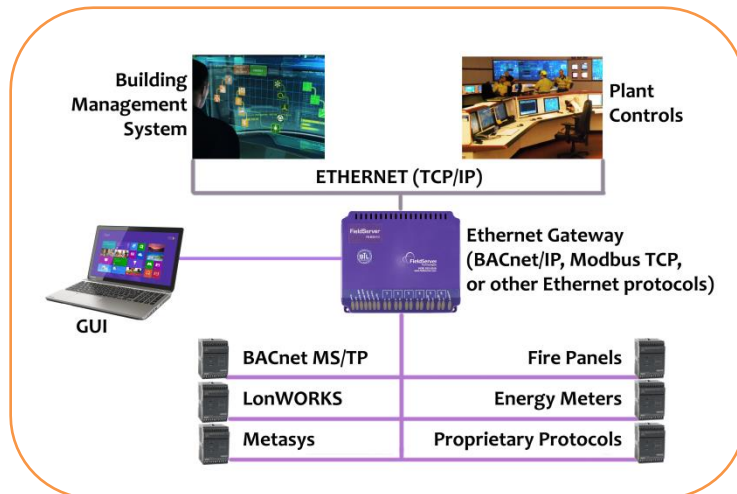
2.0 x 5.4 x 6.4 in. (5.0 x 13.7 x 16.0 cm)
 2.5 lbs (1.5 Kg)

Approvals

CE Marked
CSA to UL916
DNP 3.0 Tested
FCC Part 15
LonMark Certified
Modbus Tested
RoHS Compliant



*Specifications subject to change without notice



Drivers Available

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