



FieldServer Profibus DP Gateway FS-B4012-01

A 10-serial, 2-Ethernet port, 1-Profibus DP protocol translator gateway enables data transfer between serial, Ethernet and Profibus DP protocols. An extensive library of drivers provides easy interoperability between a variety of devices used in process control and building automation industries.

Serial – Ethernet – Profibus DP

The FieldServer is a protocol translator/gateway which enables devices using one protocol to communicate with devices using another protocol. An example is a PLC using one protocol needing to supply data to a DCS using Profibus. In a single, comprehensive package the FieldServer provides the hardware and software necessary for this translation. The FS-B4012 includes eight RS-232 ports, two RS-485 ports, two Ethernet (10BaseT) ports, and one Profibus DP port to interface to devices. All the necessary software and instructions for configuration are supplied with the FieldServer. FieldServer Technologies also offers fee based configuration services.

Specifications

Field Connections

- **Ethernet Ports**
 - Qty 2-10BaseT RJ45 connector
- **Serial Ports**
 - Qty 8 RS-232 ports, RJ45 connector
 - Qty 2 RS-485 ports, terminal connector
 - Up to 115K baud
- **Profibus DP Port**
 - Standard Profibus DP-9 connector
 - Slave - 244 bytes of input, 244 bytes of output
 - Master - 16K bytes of input, 16K bytes of output
- **Drivers**
 - Drivers available for a wide range of Ethernet and serial protocols

Host PC Connections (for Configuration)

- Ethernet 10BaseT
- RS-232 or RS-485

LED Indicators

- Power, Run, System Error, Configuration Error
- Port connections – Tx/Rx communication activity

Other

- Configuration/Diagnostics Utilities
- Custom Configuration option

Power Requirements

- 120/220 VAC, 50/60 Hz, 1 amp

Environment

- Operating temperature: 0-60°C (32-144°F)
- Relative humidity: 10-95% RH non-condensing

Physical Dimensions

- 7.5 x 12.0 x 2.2 in. (WxDxH)
(19.1 x 30.5 x 5.6 cm)
- 5.0 lbs (3.0 Kg)

Mounting Options

- Desktop
- Wall
- 19-inch rack mount

Approvals

- UL 1950
- CE Marked

