FieldServer Gateway
FS-B2510

A protocol translator gateway enables data transfer between serial and Ethernet protocols. An extensive library of drivers provides easy interoperability between a variety of devices used in building automation, HVAC, fire and process control industries.

Dual Serial – Ethernet

The FS-B2510 FieldServer Gateway provides two serial ports and one Ethernet port making it ideal for interfacing either two serial devices or a serial to Ethernet connection. An example is a fire alarm panel using a proprietary manufacturer's protocol needing to supply alarm information to a building automation system. In a single, comprehensive package the FS-B2510 provides the hardware and software necessary for this translation. The FS-B2510 includes two serial (switchable RS-232/RS-422/RS-485) ports and an Ethernet (10/100BaseT) connector to interface to the devices. Configuration files can be downloaded via Ethernet port. 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 Port**
  - 10BaseT, 100BaseTX RJ45 (auto-sensing)
- **Serial Port**
  - RS-232/RS-422/RS-485 switchable (software)
  - Up to 115200 baud
  - DB9 connector
- **Drivers**
  - Drivers available for a wide range of Ethernet and serial protocols – check driver information sheet

Host PC Connections (for Configuration)
- Ethernet 10/100BaseT

LED Indicators
- Ethernet connection – Tx/Rx communication activity
- Serial 1, Serial 2, CPU communication activity

Power Requirements
- 5V - 30V DC, 500 mA
- 120VAC to 9VDC power supply is provided

Other
- Configuration utility
- Diagnostic utility
- System integration services available

Environment
- Operating temperature: -40 to 85°C (-40 to 185°F)
- Relative humidity: 10-95% RH non-condensing

Physical Dimensions
- 4.55 x 4.50 x 1.35 in. (LxWxD) (11.56 x 11.68 x 3.43 cm)
- 0.4 lb (0.18 Kg)

Mounting Configuration
- Desktop
- Wall
- DIN Rail (optional)

Approvals
- FCC Class A, Part 15
- CE EN55022, EN 55024
- UL 916

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