



FieldServer Modbus Plus Gateway FS-B4019-01

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

Serial – Ethernet – Modbus Plus

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 alarm information to a DCS using Modbus Plus. In a single, comprehensive package the FieldServer provides the hardware and software necessary for this translation. The FS-B4019 includes eight RS-232 ports, two RS-485 ports, two Ethernet (10BaseT) ports, and one single-port Modbus Plus port to interface to the devices. All the necessary software and instructions for configuration are supplied with the FieldServer. FieldServer Technologies also offers fee based configuration services. FieldServers are available for various fieldbuses.

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
- **Modbus Plus Port**
 - Single port SA85 interface card
- **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/Diagnostic Utilities
- Custom Configuration option
- 1,000 points expandable to 10,000 points

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

