

M-Bus Protocol Gateways

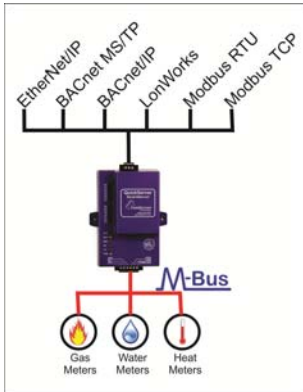
For efficiency and flexibility

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A Sierra Monitor Company

The **M-Bus QuickServer Gateway** from FieldServer Technologies easily enables data access between M-Bus networks and devices and other networks that utilize open and proprietary protocols such as BACnet, Modbus, LonWorks, Metasys N2 by JCI, SNMP and more. With over 100 protocols available in the extensive FieldServer Driver Library, no other product can connect M-Bus to more products!



FieldServer Technologies is a leader in protocol gateways for the building automation industry, enabling system integrators and developers to prepare building automation and process control infrastructures for the future by breaking down protocol barriers.

FieldServer is in thousands of installations with over 700 translation paths. These gateways are LonMark certified, BACnet BTL Marked, Metasys compatible and mission-critical tested.

M-Bus

M-Bus is a European standard for remote reading of various consumption meters such as gas meters, water meters and heat meters.

The M-Bus QuickServer Gateway is configurable to act as both a Master and a Slave M-Bus device. As an M-Bus Master the number of devices supported is limited to up to 64 devices as the FieldServer provides power to the M-Bus. The M-Bus master interrogates the slave devices as the gateway acts as

a Client. It will request information from the slave devices and receive and process only the expected responses.

As an M-Bus Slave the maximum number of devices on the M-Bus is limited to the M-Bus standard of 250.

The gateway will act as an M-Bus Slave and will respond only to requests from the M-Bus master devices.

Specifications

| | |
|----------------------------|---|
| Baud Rate: | 300-38400 baud |
| Isolation: | Galvanic isolation |
| Hardware Interface: | Phoenix connector |
| Power consumption: | 8W to support 64 M-Bus slaves |
| M-Bus standards supported: | EN 13757-2 (physical and link layer) and EN 13757-3 (application layer) |

Class 1 Alarm Protocol supported: Custom vendor specific

| | | | | | |
|--|-----------------|---------------|------------|----------|--------|
| Class 2 Data supported, with the following data types: | • Duration | • Current | • Power | • Volume | • Baud |
| | • Energy Tariff | • Temperature | • Pressure | • Error | |
| | • Voltage | • Time | • Mass | • Status | |



FieldServer Advanced Functions

| | | | |
|-------------------|----------|-----------------------------|-----------------------------|
| Data Relocate | Scaling | Checking your configuration | Passive Client applications |
| Data Manipulation | Logic | Active Server applications | Reporting Node Status |
| Bit packing | Profiles | Web discovery interface | Web browser interface |

Ordering Information

| Model | - QuickServer | - Model | - R2 Port* | - R1 Port | - Protocols |
|-------|-----------------|---------------------|------------|---|-----------------------|
| FS-QS | 1 = QuickServer | 0 = BAS | 1 = RS-485 | 0 = RS-485 | 4 digit protocol code |
| | | 2 = Enhanced | 2 = RS-232 | 1 = LonWorks | |
| | | A = M-Bus 16 device | 3 = RS-422 | | |
| | | B = M-Bus 32 device | 4 = KNX | | |
| | | C = M-Bus 64 device | 5 = M-Bus | * RS-232/RS-422/KNX/M-Bus FS-QS-12XX only | |

FieldServer Support

To ensure total satisfaction with our products, FieldServer emphasizes comprehensive customer service and support. This commitment to the highest level of service extends beyond the sales cycle and throughout the product life cycle. FieldServer Technologies is a division of Sierra Monitor Corporation.

For more information: www.fieldserver.com

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