

Description

The J-Bus driver supports connections over RS-232 and RS-485 (Half Duplex). The FieldServer can be configured as a client or server using the J-Bus protocol.

Connection Facts

FieldServer Mode	Nodes	Comments
Client	1-255	J-Bus station Address of the node(s)
Server	1-255	J-Bus station Address of the node(s)

Formal Driver Type

Client or Server

Compatibility

FieldServer Model	Compatible
ProtoCessor	Yes
ProtoCarrier	Yes
ProtoNode	Yes
ProtoAir	Yes

FieldServer Model	Compatible
QuickServer FS-QS-10xx	No
QuickServer FS-QS-12xx	Yes
QuickServer FS-QS-20xx	Yes
QuickServer FS-QS-22xx	Yes
QuickServer FS-QS-3x10-F	Yes

Connection Information

Connection Type: RS-232 or RS-485

Baud Rates: 110; 300; 600; 1200; 2400; 4800; **9600**; 19200; 28800; 38400; 57600; 115200

Data Bits: 7,8

Stop Bits: 1

Parity: Odd, Even, None

Multidrop Capability: Yes

Devices Tested

Device	Tested (Factory, Site)
MGE UPS	Site

Communication Functions

Data Types Supported

FieldServer Data Type	Description (or Device Data Type)
Analog Input	FLOAT, UInt16, SInt16, Byte
Digital Input	BIT, Packed_Bit,
Analog Register	FLOAT, UInt16, SInt16, Byte
Digital Output	BIT, Packed_Bit,

Read Operations Supported

FieldServer as a Client	FieldServer as a Server
(1) – Read coil status	(1) – Read coil status
(2) – Read input status	(2) – Read input status
(3) – Read holding registers	(3) – Read holding registers
(4) – Read input registers	(4) – Read input registers
(11) – Fetch comm Event (Write not supported)	(11) – Fetch comm Event (Write not supported)

Write (Control) Operations Supported

FieldServer as a Client	FieldServer as a Server
(5) – Force single coil	(5) – Force single coil
(6) – Preset single register	(6) – Preset single register
(10) – Poll 484 (Modicon 484 device)	(10) – Poll 484 (Modicon 484 device)
(15) – Force multiple coils	(15) – Force multiple coils
(16) – Preset multiple registers	(16) – Preset multiple registers
(126) – Force single Coil-127 (Only for coil 127)	(126) – Force single Coil-127 (Only for coil 127)

Unsupported Functions and Data Types

Function	Reason
Programming messages	FieldServer is a data transfer device, and as such, programming messages are not required
(07) – Read Exception status	
(08-xx) – Diagnostic Sub-functions	
(12) – Fetch comm event log	
(17) – Report Slave_ID	
(20) – Read general reference	
(21) – Write general reference	
(22) – Mask 4× register	
(23) – Read/Write 4× register	
(24) – Read FIFO Queue	