



Serial/Ethernet BTL



LonWorks LONMARC3.4

Overview

QuickServer is a high performance, fully configurable, cost effective Building and Industrial Automation gateway for integrators to easily interface devices to networks in commercial buildings and industrial plants.

System integrators world-wide have benefitted from the value of the powerful line of interoperability gateways offered by FieldServer. Now, QuickServer adds to that value by running the same robust FieldServer protocol conversion software on a highly cost-effective platform backed by the experience, engineering expertise and proven technical support that integrators have come to expect from FieldServer.

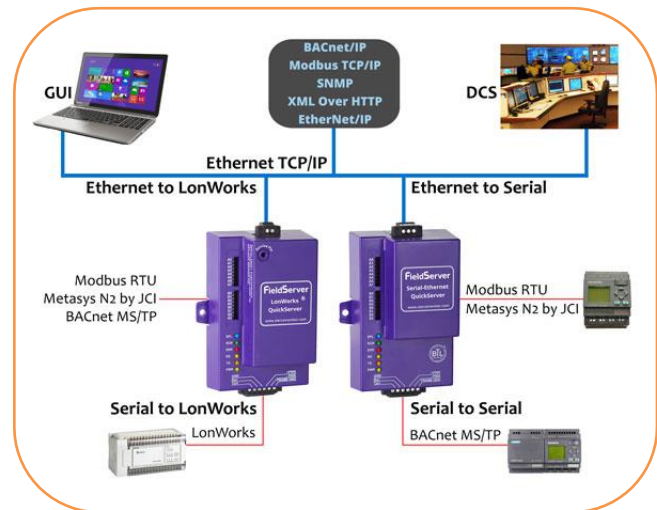
QuickServer is available in two series. The FS-QS-10XX Series is preloaded with two BAS drivers (serial, Ethernet and/or LonWorks) from a choice of Modbus RTU, Modbus TCP/IP, BACnet/IP®, BACnet MS/TP, LonWorks®, JCI Metasys® N2 and SNMP. Each QuickServer can handle up to 250 points.

The FS-QS-12XX Series QuickServer is available to use any Serial, Ethernet or LonWorks driver in the extensive FieldServer driver library. The FS-QS-12XX Series can handle up to 500 points and is available with a choice of RS-485, RS-232 or RS-422 serial ports, KNX or M-Bus, in addition to Ethernet and LonWorks (optional). The FS-QS-13XX and FS-QS-14XX have the same port options but the 13XX can support up to 3,000 points while the 14XX can support up to 5,000.

Each QuickServer includes browser-based tools to make it easy to set-up QuickServer and perform diagnostics including determination of status, network settings, node information, map descriptors and more. The USB flash drive also includes the Discovery utility to determine what FieldServers are on a network.

QuickServer Features and Benefits

- Interface 250-5,000 points (see Specifications).
- Multi-configuration capability; configurations selectable via DIP switches or software.
- Flat panel mount standard, DIN rail mount option.
- DIP switches select baud rate or node ID on the fly.
- BACnet COV support for fast data communication while reducing the traffic over a BACnet network.
- **SMC Cloud** registration connects your devices to the cloud, allowing secure remote access for diagnostics, monitoring, alarming and configuration.
- On-board diagnostics allow easy troubleshooting for both serial and Ethernet communications.
- **FieldSafe** adds a wealth of security options, including: web configuration page authentication (self-signed certificates), robust user and password management features.



FieldServer Offers

- Largest protocol driver library in the industry, providing the solution to your integration needs.
- Over 10 years of experience in design and manufacture of building automation gateways with thousands of installations, over 700 translation paths using over 100 protocol drivers.
- Trusted, proven technical support before and after shipment.
- FieldServer partners with BAS and Fire Alarm Panel manufacturers and trade associations to ensure that the drivers and hardware meet your highest industry expectations.

Accessories

- Optional Accessory Kit includes AC power supply, DIN mounting bracket assembly, Ethernet cable, mini-screwdriver and a USB flash drive with all data sheets, manuals, notes, the discovery tool and more.

Field Connections								
		Interface Connections						
		RS-232 ¹	RS-485 ²	RS-422 ³	KNX ⁶	RS-485	M-Bus	Ethernet ⁴
QuickServer	FS-QS-1X11		1				1	1
	FS-QS-1221	1					1	1
	FS-QS-1230		1	1			1	
	FS-QS-1231			1			1	1
	FS-QS-1240		1		1		1	
	FS-QS-1241				1		1	1
	FS-QS-1X50					1	1	
FS-QS-1X51						1	1	

¹ TX/Rx/GND ² +/-/Frame Ground ³ See Manual ⁴ 10/100 Base T ⁵ FTT10 ⁶ KNX/EIB TP1

Specifications *

Environment

Operating temperature: -40 to 75°C (-40 to 167°F)
Relative humidity: 5-90% RH non-condensing

Power Requirements

9-30VDC or 12-24VAC
 (RS-422 = 15-30VDC or 12-24VAC)
 (M-Bus = 12-24VDC)

Current draw: @ 12V

- FS-QS-12X0: 240 mA
- FS-QS-1X11, FS-QS-12X1: 250 mA
- FS-QS-1230: 200 mA @ 15V
- FS-QS-1231: 210 mA @ 15V

M-Bus:

- Slave: 550 mA @ 12V
- Master (1 Slave): 580 mA @ 12V
- Master (64 Slave): 980 mA @ 12V

Serial Port Isolation

- 1500v galvanic isolation

Capacity

FS-QS-11XX: 250 points FS-QS-13XX: 3000 points
 FS-QS-12XX: 500 points FS-QS-14XX: 5000 points

Physical Dimensions

H x W x D: 4.5 x 2.9 x 1.6 in. (11.5 x 7.4 x 4.1 cm)
Weight: 0.4 lbs (0.2 Kg)

Other

Configuration/Diagnostic utilities
Table, Wall or DIN rail mount

Communication

Baud: 4800, 9600, 19200, 38400, 57600, 115200
Start Bit: 7, 8
Stop Bit: 1, 2
Parity: Even, Odd, None

LonMark Certification on the QuickServer FS-QS-1XX1-XXX

SPID: 80:00:95:46:00:84:04:01

Profiles: 0000 - Node object (1)
 0001 - Open Loop Sensor Object (5)
 0003 - Open Loop Actuator Object (5)

Ethernet:10/100 BaseT

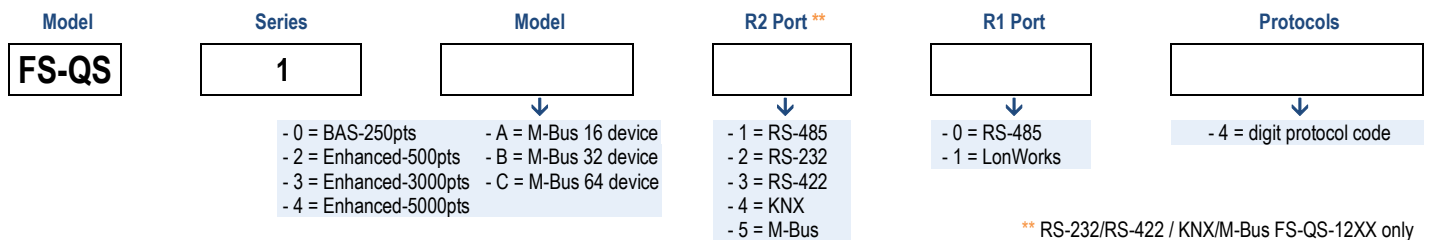
Approvals

CE and FCC Class B & C Part 15
BTL Marked
LonMark Certified (FS-QS-1011 and FS-QS-12X1)
UL 916 and CAN/CSA C22.2
RoHS3 and WEEE Compliant
GOST-R Certified
IC Canada & KC Certification



*Specifications subject to change without notice

Ordering Information: The following part number is essential in selection of the correct product. Please build up the desired part by inserting the code for each element into the appropriate space (i.e. FS-QS-1A10-XXXX).



Options

The Accessory Kit consists of a power supply, Ethernet cable, screwdriver, DIN rail mount, and a USB flash drive that includes all manuals, data sheets, notes, and the discovery tool.

- FS-8915-36-QS Accessory Kit, 110/220V

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