

### Overview

The FieldServer BACnet Router offers a complete BACnet Internetworking solution for BACnet/IP, BACnet Ethernet, and BACnet MS/TP networks.

This is the first standalone BACnet Router that has been certified by BTL to ensure the highest standard for BACnet integration.

The FieldServer BACnet Router is available in two models:

- The FS-ROUTER-BAC has two RS-485 ports enabling up to 64 BACnet MS/TP devices to be connected to it without the use of additional line drivers. Relative to a single port router, the dual port router halves device response time by distributing devices over the two RS-485 ports.
- The FS-ROUTER-BAC1 offers a single RS-485 port and is a cost-effective option for configurations of 32 or fewer BACnet MS/TP devices without the need for additional line drivers.

The FieldServer BACnet Router has an easy one page configuration, greatly simplifying the installation process. DeviceFind™, a unique discovery feature, allows the integrator to push a button and discover all the BACnet devices connected to the router, greatly simplifying the commissioning process.



## BACnet Router Features and Benefits

### Multiple BACnet Routing Connections

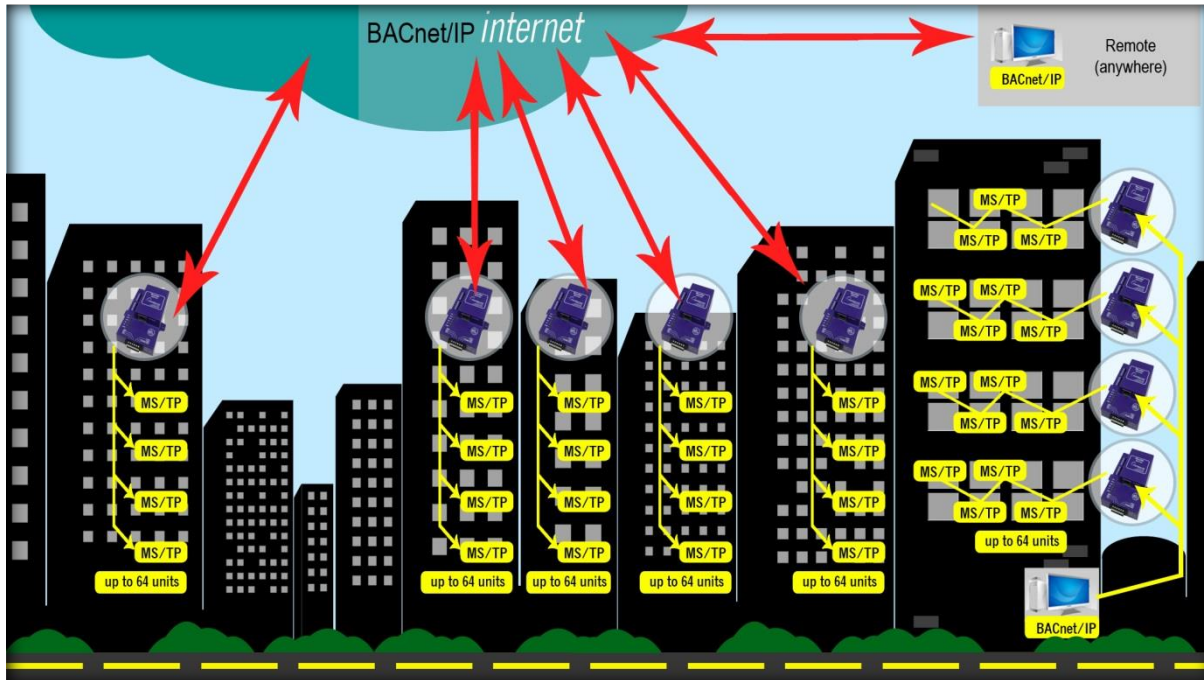
- BACnet/IP & BACnet MS/TP
- BACnet MS/TP & BACnet Ethernet
- BACnet MS/TP & BACnet MS/TP
- BACnet/IP & BACnet/IP
- BACnet/IP & BACnet Ethernet

### Ease of Use

- DeviceFind™: a unique feature that discovers devices connected to the FieldServer BACnet Router
- BACnet Broadcast Management Device (BBMD) for a connection between different subnets
- Web Based configuration with no additional software needed for configuration
- NAT support with secondary BACnet/IP connection for routing between public and private IP networks
- Foreign Device Registration (FDR), exposing devices details on different subnets
- **FieldPoP™** connects to the cloud, allowing secure remote access for diagnostics, monitoring, alarming and configuration

### Ease of Installation

- MDIX to use any Ethernet cable for commissioning and installation
- DHCP to automatically obtain IP setting from the network
- Software “ToolBox” to find and diagnose all FieldServer BACnet routers on the network
- Wide range of input power requirements, AC or DC



**Specifications**

**Communication**

**Serial RS-485**

Galvanic isolation  
 Baud: 9600, 19200, 38400, 57600, 76800, 115200

**Ethernet**

10/100BaseT  
 MDIX  
 DHCP

**Environment**

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

**Other**

Web Configuration  
 Toolbox diagnostic utility  
 Table, Wall mount  
 DIN rail mount included

**Construction**

**Dimensions:** (HxWxD)  
 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)

**Power Requirements**

9-30VDC or 12-24VAC  
 Current draw @ 12V: 240 mA

**Approvals**

RoHS Compliant  
 TUV approved to UL 916, EN 60950-1, EN 50491-3  
 and CSA C22.2 standards  
 CSA C22.2 standards  
 BTL Certification Rev. 12  
 GOST-R Certified  
 CE & FCC



\*Specifications subject to change without notice

**Ordering Information**

The FieldServer BACnet Router is available in the following hardware configurations:

- FS-ROUTER-BAC (2 Serial Ports)
- FS-ROUTER-BAC1 (1 Serial Port)

**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, Discovery tool, and E-Notes.

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