



### Provider Edge Appliance

- Small, transportable rugged appliance for installation at the network edge
- Rapid Deployment
- On-site system status via Optional USB LCD display and syslogging
- Secure
- Available as part of a service, as a product set or as a combination
- Ideal for use at the fluid edge of critical networks
- Patent-pending technology available for licensing and embedding

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## FastL2<sup>®</sup> Provider Edge Appliance Data Sheet

Provider Edge appliance for installation at the remote edge of a FastL2<sup>®</sup> service connection



### FastL2<sup>®</sup> Provider Edge Appliance

FastL2<sup>®</sup> Provider Edge Appliance is a small, rugged device for installation at the remote edge of a FastL2<sup>®</sup> connection.

### Rapid Deployment

FastL2<sup>®</sup> Provider Edge Appliance can be installed at the remote site in minutes and can be done by non-technical personnel.

### System Status Diagnostics

FastL2<sup>®</sup> Provider Edge Appliance can be supplied with a USB LCD display for on-site configuration, system status and diagnostic purposes. This option is helpful during commissioning and in-service checks.

FastL2<sup>®</sup> Provider Edge Appliance sends regular system status data to a centralized syslog server allowing customer visibility of information relating to their FastL2<sup>®</sup> service.

### Secure

FastL2<sup>®</sup> uses the OpenSSL software

system for strong authentication and encryption. By default FastL2<sup>®</sup> uses AES-128 encryption. There are variant options for other encryption systems, customer control of keys, regular key changes, keys on USB dongles and many others.

The use of smart topologies can continue the use of a customer's existing secure LAN technologies and the FastL2<sup>®</sup> Provider Edge appliance can require the presence of a secure USB dongle to operate.

### Service, Product or Combination

FastL2<sup>®</sup> Provider Edge Appliance can be provided on a rental basis or on a capital purchase basis as part of an end-to-end service.

### Possible Use

FastL2<sup>®</sup> Provider Edge Appliances are used at the remote fluid edge of critical networks, SCADA/DCS, remote maintenance, Telco access circuits, DR, Back-up and many others.



*Products and Services for  
Mission Critical Networks*

### Licensing and Embedding

For customers who manufacture high-value industrial equipment we can license our patent-pending technology, hardware and software to be embedded in your equipment. This will be of significant interest for remote maintenance and remote operations applications.

### Physical Description

FastL2<sup>®</sup> Provider Edge Appliance is a small, rugged device for indoor installation at the remote edge of a FastL2<sup>®</sup> connection.

### Specification

Model: FastL2<sup>®</sup> Provider Edge (PE) Remote Appliance

Model Number: 4000 series

Height: 6.2 cm 2.4 inches

Width: 18.5 cm 7.3 inches

Depth: 25.6 cm 10.1 inches

Part Number: 4000-002-001 - Indoor use only

Power consumption: 4000-002-001 1.0A or less at 12Vdc

Weights: PSU and power cable – 1lb 4oz 0.6 kilos

FastL2 PE Appliance – 2lb 9oz 1.3 kilos

### Power Supply

Separate power supply unit:

Height: 3.4 cm 1.3 inches

Width: 5.8 cm 2.3 inches

Depth: 13.3 cm 5.2 inches

AC Input: 100v AC – 240v AC 50Hz - 60Hz ~2.5A max

DC Output: 12v DC 6.6A max (80w max)

### Mounting

Currently table top or rack shelf mount.

### Environment

0° C to +60° C (+32° F to +140° F)

### Humidity

10% - 90% RH Non-condensing

### Connectors on rear panel

2 x RJ45 Ethernet 10BaseT / 100BaseT TX MDI/MDIX autosensing

2 x USB ports

DC Power Input

Ground and / or Cable Tether point

### Regulatory Approvals

CE

### Options

USB LCD Display 20 character x 4 line LED edge back-light. IP address can be via DHCP or set statically via the USB LCD Display

USB Security Dongle – Information on request.

### Software

YR20 - proprietary software

Linux - Released under GPL license

### Packaging

Cardboard boxing with custom foam inserts

Height: 15.2 cm 6.0 inches

Width: 30.5 cm 12.0 inches

Depth: 45.7 cm 18.0 inches

Weight: 1lb 6oz 0.7 kilos

NOTE: Custom, waterproof flight cases can be provided as an option.

YR20 was formed in 2001 to address the engineering, commissioning and maintenance issues associated with the Oil & Gas industry using TCP/IP networks for critical traffic. The company has now worked for over 50 Oil & Gas operating and supply companies to engineer, commission and maintain critical networked IT systems. YR20 has the necessary products, tools, and personnel ready for worldwide deployment in any challenging network or industrial environment.

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