XSR™ 1800 Series
Security Router for Branch Offices

Lightning-fast security router with multiple expansion options

Integrated IP routing, VPN and firewall—in one device

Easily upgradeable to meet future requirements

Best-in-class price and performance

Benefits

Dual 10/100 LAN interfaces, IP routing, QoS and WAN functionality in one device

- Provides non-stop, highperformance local and wide area networking

Standalone or rack-mountable design with optional power supply redundancy

- High-availability options for mission-critical branch office installations

High-performance VPN with Hardware Accelerator

- Extranet, site-to-site and remote access VPN technologies

- IPSec hardware acceleration for high-security VPN

Policy-managed stateful inspection firewall

- Secures your offices from Internet threats

- Designed to integrate with award-winning Dragon™ Intrusion Defense and to support SIP-enabled next-generation messaging technologies

Powerful, intuitive management

- Supports industry-standard Command Line Interface, SNMP integration, and NetSight™ Atlas management

- Easy deployment with remote configuration, monitoring and management

- Front-panel LED status indicators, out-of-band management interface, and recessed Restore Factory Default switch for easy on-site diagnostics

High-Performance Secure Networking

Combining lightning-fast IP routing with multiple security applications and high availability—all at a market-leading price—the XSR 1800 Series delivers big features and performance in a compact box. Designed especially for site-to-site and remote access connectivity, this flexible platform includes dual Fast Ethernet LAN interfaces, VPN hardware acceleration, stateful deep-packet inspection firewall, and a broad range of WAN interfaces.

The XSR- 1805 delivers a robust 50k PPS, 100 Mbps IPSec/3DES encryption and a 180 Mbps stateful inspection firewall. The rack-mountable XSR-1850 offers superior router throughput, 200 concurrent IPSec/3DES VPN tunnels, stateful inspection firewall plus optional power supply and fan redundancy. Powerful management and configuration tools—including industrystandard Command Line Interface, SNMP integration and client/server Java application management support—provide extensive remote monitoring and diagnostic capabilities, critical in environments without on-site networking expertise.

The standards-based XSR 1800 Series offers a future-proof design to accommodate evolving security, QoS and connectivity needs. Unlike typical WAN routers, the XSR Security Router provides best-of-breed security and maintains performance when features are enabled. And, unlike typical security appliances, the XSR provides extensive IP routing and Quality of Service (QoS) on a wide range of WAN interfaces.

The XSR Security Routers set industryleading price/performance benchmarks for networking with IP routing, VPN and firewall available at a significant price advantage over the competition. In addition, the XSR WAN modules are shared across multiple Enterasys platforms, leveraging your investment and simplifying deployment scenarios.

Two Options for Branch Office Deployments

An entry-level, low-cost modular router in a desktop form factor, theXSR-1805 delivers powerful performance and features to address the WAN, VPN and firewall needs of remote offices for enterprise organizations. As a VPN gateway, the XSR-1805 enables 50 tunnels (upgradeable to 200), supporting site-to-site and remote access applications.

There is nothing more important than our customers.

Delivering 60k PPS performance, a modular, rackmount form factor, and the option for redundant power, the XSR-1850 is ideal to support mission-critical applications extending to the branch office. The XSR-1850 enables 200 VPN tunnels (upgradeable to 1,000), supporting siteto-site and remote access applications.

Both the XSR-1805 and XSR-1850 protect the Internet perimeter with a highperformance stateful inspection, deep-packet firewall.

Specifications

Technical Specifications

MTBF (predicted)
>77,000 hrs

In-Band Management
Remote SNMP via NetSight Atlas

Authenticated Tunnels
XSR-1850: 200 (expandable to 1,000)
XSR-1805: 50 (expandable to 200)

Physical Specifications

XSR-1850 - Dimensions
25.4 cm (10") L x 43.1 cm (17") W x 5.0 cm (2.0") H

Weight
4.08 kg (9 lbs)

XSR-1805 - Dimensions
35.6 cm (14") L x 25.4 cm (10") W x 2.5 cm (6.4") H

Weight
3.18 kg (7 lbs)

Environmental Specifications

Operating Temperature
0° C to +40° C (+32° F to 104° F)

Non-Operating Temperature
-40° C to +70° C (-40° F to 158° F)

Operating Humidity
5% to 90% (non-condensing)

Power Consumption
Total Power (100 to -240 Volts) 25 W

Agency and Standards Specifications

Safety
UL 60950, CSA 60950, EN 60950, EN 60825 and IEC 60950

Electromagnetic Compatibility (EMC)
47 CFR Parts 2 and 15, CSA C108.8, EN 555022, EN 55024, EN 61000-3-2, EN 61000-3-3, AS/NZS CISPR 22, and VCCI V-3

Telecom Approvals (T1/E1 NIM and CT1/E1 NIM) USA 47 CFR Part 68; Canada CS-03; Europe TBR 12 and TBR 13 (For other approval countries, check with your Enterasys representative.)

Other MIBs
Chassis MIB, Entity MIB, Ctdownload MIB

Dialer
ITU-T V.25bis and V.25ter; T1/E1; ITU-T G.703, G.704, G.705, G.706, G.732, G.735, G.736,G.737, G.738, G.739, G.823, G.824, G.962, G.963, G.964; AT&T PUB 43802, 54016, 62411; ANSI/EIA-656; ANSI T1.102; ANSI T1.403; ETSI ETS 300 011, 166, 233, 324, 347

ITU/IETF Standards Support
(A full range of standards/protocols are supported. Ask your Enterasys representative for details.)

Enterasys Private Enterprise MIB Support

Download-MIB
Parameters for router upload/download

Chassis-MIB
Parameters for router hardware

Timed-Reset-MIB
Parameters for a countdown timer and a forced reset after expiration

Configuration Change MIB
Parameters for SNMP management entities to determine if and when configuration changes have occurred

Configuration Management MIB
Parameters for an SNMP management entity to reset the managed entity, upload and download executable images and configuration files, and identify the active executable image and configuration files

Syslog Client MIB
Parameters for SNMP configuration of individual network entities to generate and log diagnostic messages

SNMP Persistence MIB
Parameters for SNMP to save configuration changes to the startup configuration file

Specifications

Part Number	XSR-1805	XSR-1850
NIM Slots	2	2
Fixed 10/100 Ethernet ports	2	2
IP Routing performance	50 Kpps	60 Kpps
VPN Tunnels	50	200
VPN Throughput	100 Mbps	100 Mbps
Firewall Throughput	180 Mbps	200 Mbps
Firewall Sessions	12,500	80,000
Redundant Power Supply	No	Optional
VPN Accelerator	Embedded	Embedded
Flash Memory *	8 MB	8 MB
DRAM **	64 MB	64 MB
External Compact Flash	Yes	Yes

* External compact flash is used to augment flash memory.

** Memory upgrades available for increased limits and performance.

Ordering Information

Base Appliances

XSR-1805

XSR Security Router with two 10/100 Ethernet LAN interfaces, 2 NIM slots, 8 MB onboard Flash memory, 64 MB DRAM, dedicated VPN Accelerator, Compact Flash slot and power supply (external); bundled with Enterasys Operating System (EOS) IP Routing Services

XSR-1850

XSR Security Router with two 10/100 Ethernet LAN interfaces, 2 NIM slots, 8 MB onboard Flash memory, 64 MB DRAM, dedicated VPN Accelerator, Compact Flash slot and power supply (internal) in a rack-mount form factor; bundled with Enterasys Operating System (EOS) IP Routing Services

Software

XSR-18XX-VPN

VPN for the XSR 1800 Series

XSR-18XX-FW

Firewall for the XSR 1800 Series

XSR-18XX-VPN-FW

VPN and Firewall for the XSR 1800 Series

Network Interface Modules

NIM-ADSL-AC-01

1-port ADSL network interface module (Annex AC – POTS)

NIM-ADSL-B-01

1-port ADSL network interface module (Annex B – ISDN)

NIM-ETHR-01

1-port 10/100 Ethernet network interface module

NIM-FIBR-01

1-port FX100 fiber network interface module

NIM-CT1E1/PRI-1

1-port channelized T1/E1 with support for ISDN PRI and integrated CSU/DSU

NIM-CT1E1/PRI-2

2-port channelized T1/E1 with support for ISDN PRI and integrated CSU/DSU

NIM-CT1E1/PRI-4

4-port channelized T1/E1 with support for ISDN PRI and integrated CSU/DSU

NIM-DIRELAY-02

Drop and Insert network interface module, provides IP PBX pass through for T1/E1 with integrated CSU/DSU

NIM-T1/E1-01

1-port T1/E1 network interface module, provides Clear Channel and Fractional operation with integrated CSU/DSU

Ordering Information

NIM-T1/E1-02
2-port T1/E1 network interface module, provides Clear Channel and Fractional operation with integrated CSU/DSU

NIM-T1/E1-04
4-port T1/E1 network interface module, provides Clear Channel and Fractional operation with integrated CSU/DSU

NIM-SER-02
2-port Sync/Async Serial WAN network interface module (2 Mbps per port) Note: These are not HSSI interfaces

NIM-SER-04
4-port Sync/Async Serial WAN network interface module (2 Mbps per port) Note: These are not HSSI interfaces

NIM-BRI-ST-01
1-port ISDN Basic Rate network interface module with S/T interface (Euro version)

NIM-BRI-ST-02
2-port ISDN Basic Rate network interface module with S/T interface (Euro version)

NIM-T3/E3-01
1-port fractional T3/E3 network interface module with integrated CSU/DSU

Accessories

XSR-128MB-MEM
128 MB memory upgrade for XSR-1805 and 1850, expands routing, VPN and firewall limits

NIM-V35-CAB-04
4-port V.35 DTE serial cable for NIM-SER-xx

NIM-232-CAB-04
4-port RS232/EIA530 DTE serial cable for NIM-SER-xx

NIM-X21-CAB-04
4-port X.21 DTE serial cable for NIM-SER-xx

NIM-449-CAB-04
4-port EIA 449 DTE serial cable for NIM-SER-xx

NIM-DBU1-CAB-04
4-port combination V.35 /RS232 DTE serial cable for NIM-SER-xx

XSR-1805-RKMT
XSR-1805 rackmount kit

NIM-E1-COAX-BLN
G.703 Balun with 120-ohm UTP (RJ-45F) to 75W dual-BNC cables

* *Note: XSR 1800 Series configurations include hardware and software components. Product orders should include:*
  - *The XSR-1800 base system (EOS IP Routing Services, on board flash and base DRAM, 2 10/100 LAN interfaces and 2 NIM slots)*
  - *NIM cables, if needed*
  - *Additional security features (VPN and Firewall) and additional memory for added VPN tunnel capacity, if needed*
  - *NetSight Atlas Router Services Manager application*
  - *Service contract, recommended to maintain system currency*
  - *XSR series products have a license management system to allow the purchase and installation of additional software feature sets at any time.*

Warranty

As a customer-centric company, Enterasys is committed to providing the best possible workmanship and design in our product set. In the event that one of our products fails due to a defect in one of these factors, we have developed a comprehensive warranty that protects you and provides a simple way to get your products repaired as soon as possible.

Service and Support

Enterasys understands that superior service and support is a critical component of Secure Networks™. The Enterasys SupportNet Portfolio—a suite of innovative and flexible service and support offerings—completes the Enterasys solution. SupportNet offers all the post-implementation support services you need—online, onsite, or over the phone—to maintain your network availability and performance.

Additional Information

For more information about Enterasys XSR Security Routers, including the latest product offerings, visit the web at http://www.enterasys.com/products/routing/xsr

Contact Us

For more information, call Enterasys Networks toll free at 1-877-801-7082, or +1-978-684-1000 and visit us on the Web at enterasys.com

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