

Breakthrough high-performance secure networking!



- **Surprisingly quick, entry-level security router at an economical price**
 - Combines the latest networking features for the branch office in a cost-effective, standalone device
- **Dual 10/100 LAN interfaces, IP routing, QoS and WAN functionality in a single box**
 - Comprehensive IP routing, QoS features and a range of WAN interfaces provide non-stop, high-performance local and wide area networking
- **High-performance VPN with Hardware Accelerator**
 - Extranet, site-to-site and remote access VPN technologies—including standards-based IPSec/IKE, Windows XP/2000 client-compatible L2TP/IPSec, PPTP, Extensible Authentication Protocol, with 3DES and AES encryption
 - IPSec hardware acceleration for high-performance, high-security VPN
 - Designed to incorporate a policy-managed firewall, integration of the award-winning Dragon Intrusion Detection System, and support for SIP-enabled next-generation messaging technologies
- **Powerful, intuitive management**
 - Industry-standard Command Line Interface, SNMP integration, and NetSight Atlas management tools
 - Front-panel LED status indicators, out-of-band management interface, and recessed Restore Factory Default switch for easy on-site diagnostics
- **Best-in-class performance and price**
 - Industry-leading 37 Kpps IP routing throughput; 100 Mbps VPN throughput; 50 concurrent IPSec/3DES tunnels and dedicated on-board VPN acceleration
 - Enterasys Operating System (EOS) feature set, including IP, RIPv1, RIPv2 and OSPF protocols, DHCP Relay, DHCP Server, ISDN, Frame Relay, dial on demand, dial backup and bandwidth on demand
 - Easy-to-add software and hardware enhancements; network interface modules are compatible with other XSR Series Security Routers

Integrated Security and IP Routing Solution for the Branch Office

The Enterasys XSR-1805 Security Router delivers best-in-class price/performance in an enterprise security router

Secure, Economical Branch Office Networking for the Enterprise or Small/Medium Business

Designed for the enterprise branch office or central site of a small and medium-sized business, the Enterasys Security Router XSR-1805 delivers powerful networking performance by combining a comprehensive IP routing feature set and a broad range of WAN interfaces with site-to-site and remote access Virtual Private Networking. This all-in-one solution meets the connectivity, security, accessibility and upgradeability requirements of today's distributed network enterprises. The XSR-1805 is the entry level product in Enterasys' family of Security Routers for branch and regional offices.

The XSR-1805's powerful management and configuration tools—including an industry-standard Command Line Interface, SNMP integration and future NetSight Atlas application support—provide extensive remote monitoring and diagnostic capabilities, critical in environments without on-site networking expertise.

The 100% standards-based XSR-1805 offers a future-proof design to accommodate evolving security and connectivity needs, including a stateful inspection firewall, network and host intrusion detection, and support for Session Initiation Protocol (SIP).

TECHNICAL SPECIFICATIONS

Route Table Size

2,000 entries

OSPF LSA Type 5 Table Size

750 entries

OSPF LSA Type 1 to 4 Table Size

100 entries

OSPF LSA Type 7 Table Size

250 entries

MTBF (predicted)

>77,000 hrs

In-Band Management

Remote SNMP via NetSight

Map Classes per Unit

64

Dialer Pool Size per Unit

16

SNMP Read-Only Communities per Unit

20

SNMP Read-Write Communities per Unit

20

SNMP Trap Servers per Unit

20

Max Number of Management Users (including administration)

25

er Addresses per Interface

50

Max IP Forward Ports

50

Number of RIP Net

31

Number of Interfaces

42

Max RIP Entries

750

UDP Broadcast Forward Entries

50

AAA Sessions

75

Authenticated Tunnels

50 (expandable to 200)

IKE/IPSec Tunnels

75

ISAKMP SAs

150

IPSec SAs

300

L2TP Tunnels

75

PPTP Tunnels

75

PHYSICAL SPECIFICATIONS

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

USA UL 1950

Canada CSA 22.2 No.950

Europe EN 60950 and EN 60825

International IEC 950

Electromagnetic Compatibility (EMC)

USA 47 CFR Parts 2 and 15

Canada CSA C108.8

Europe EN 55022, EN 55024, EN 61000-3-2
and EN 61000-3-3

Japan VCCI V-3

Australia AS/NZS 3548

Telecom Approvals (TI/EI NIM and CTI/EI NIM)

USA 47 CFR Part 68

Canada CS-03

Europe TBR 12 and TBR 13

Other MIBs

Chassis MIB, Entity MIB, Ctdownload MIB

Dialer

ITU-T V.25bis and V.25ter

TI/EI

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

ORDERING INFORMATION

XSR-1805[†]

XSR-1805 Security Router base unit with dual 10/100 Ethernet LAN interfaces, 8 MB onboard Flash memory, 32 MB DRAM, VPN dedicated accelerator, compact Flash slot, external universal power supply for the desktop. Bundled with Enterasys Operating System (EOS) IP Routing Services

Optional Products

XSR-18xx-VPN

VPN feature set for the XSR 1800 Series Security Router

NIM-CT1/E1-01

Single-port Channelized T1/E1 network interface module with integrated CSU/DSU

NIM-CT1/E1-02

2-port Channelized T1/E1 network interface module with integrated CSU/DSU

NIM-CT1/E1-04

4-port Channelized T1/E1 network interface module with integrated CSU/DSU

NIM-T1/E1-01

Single-port T1/E1 network interface module for Clear Channel and fractional operation with integrated CSU/DSU

NIM-T1/E1-02

2-port T1/E1 network interface module for Clear Channel and fractional operation with integrated CSU/DSU

NIM-T1/E1-04

4-port T1/E1 network interface module for 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: This is not a HSSI interface.

NIM-SER-04

4-port Sync/Async Serial WAN network interface module (2 Mbps per port)

Note: This is not a HSSI interface.

NIM-BRI-ST-01

Single-port ISDN Basic Rate network interface module with S/T interface

NIM-BRI-ST-02

2-port ISDN Basic Rate network interface module with S/T interface

Accessories—Cables and Mounting Kits

NIM-V35-CAB-04

4-port V.35 DTE cable for use with all XSR Serial network interface modules; 6 feet (1.83 meters)

NIM-232-CAB-04

4-port EIA-232/530 DTE cable for use with all XSR Serial network interface modules; 6 feet (1.83 meters)

NIM-X21-CAB-04

4-port X.21 DTE cable for use with all XSR Serial network interface modules; 6 feet (1.83 meters)

NIM-449-CAB-04

4-port EIA-449 DTE cable for use with all XSR Serial network interface modules; 6 feet (1.83 meters)

NIM-DBU1-CAB-04

Combination cable: 2-port V.35/DTE and 2-port RS-232/DTE for use with 2- and 4-port Serial network interface modules (NIM-SER-0X); 6 feet (1.83 meters)

XSR-1805-RKMT

Rack mount kit for the XSR-1805 Security Router

Feature/Memory Upgrades

XSR-64MB-MEM

64 MB memory upgrade kit for the XSR-1805 Security Router

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[†] XSR-1805 Security Router configurations require both hardware and software components. Orders should include the XSR-1805 base system (with Enterasys OS IP Routing Services, 32 MB, 2 10/100 LAN interfaces); one or two network interface modules if needed for WAN connectivity; network interface module cables; additional software (VPN), if needed; additional memory for added VPN tunnel capacity; management applications.

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