



- **Superior performance for high-bandwidth applications**
  - 8.0 Gbps switching fabric and wire-speed, standards-based IP/IPX routing
  - Expansion modules provide increased Gigabit Ethernet uplinks as well as Serial WAN and Fast Ethernet connectivity
- **Pinpoint application control**
  - Wire-speed Layer 4 application control enables prioritization of business-critical information without performance degradation
- **Extensive security**
  - Maximum workgroup security obtained with Access Control Lists and up to 2000 security filters applied at Layer 2, 3 or 4
- **Low cost of ownership**
  - Low module cost and seamless integration with Matrix E6 and E7 chassis/switching modules ensure cost-effective implementation
- **Industry-leading management for definition and enforcement of service level agreements**
  - NAT and DHCP capabilities allow flexible user adds, moves and changes
  - Supports full RMON I and II
  - Supports CoreWatch Java-based device manager and full SNMP management via NetSight

### Meet the Demands of High-Bandwidth Applications

*Integrate the features and functionality of the award-winning XPedition Router into the wiring closet.*

### High-Density, Wire-Speed Switching and Routing for the Enterprise Wiring Closet

Enterasys offers IT professionals a full range of switching and routing solutions for the wiring closet. The Matrix 6SSRM-02 Advanced Router Module brings all of the functionality of the award-winning XPedition Router (formerly SmartSwitch Router) to the industry-leading Matrix E6 and E7 for high-density, wire-speed switching and routing in the wiring closet.

The Advanced Router Module can be used to route between modules or VLANs within a Matrix E6 or E7 chassis, and is ideal for customers requiring multiple autonomous workgroups at the wiring closet. Extending the Matrix's unique, built-in protocol and application control, the Advanced Router Module adds IP/IPX routing, ACLs, RMON II, NAT support, DHCP capability and enhanced multicast support.

The module protects customers' investments by providing a simple implementation path without sacrificing existing equipment. In addition, the module and per-port costs of the Advanced Router Module are lower than competitive solutions.

The Advanced Router Module can also provide up to four routed Gigabit uplinks to the network backbone. Two expansion module slots allow for a variety of connectivity options, including 10/100Base-TX, 100Base-FX, 1000Base-SX/LX/LLX, and serial WAN.

## TECHNICAL SPECIFICATIONS

### Capacity

Up to 16,000 routes, 128,000 Layer 4 application flows, 180,000 Layer 2 MAC Addresses, and 2,000 security/access control filters; 4,096 VLANs, 3 MB buffering per Gigabit port, 1 MB buffering per 10/100 port

### Performance

8.0 Gbps non-blocking switching fabric, 6.0 Mpps routing throughput

## PHYSICAL SPECIFICATIONS

### Dimensions

41.91 cm (16.5") H x 6.1 cm (2.4") W x 32.5 cm (12.8") D

### Weight

2.6 kg (5.9 lbs)

### In-Band Management

Remote SNMP via CoreWatch and NetSight

### Out-of-Band Management

RS-232 and Telnet

### MTBF (predicted)

> 200,000 hours

## ENVIRONMENTAL SPECIFICATIONS

### Operating Temperature

41° to 104° F (+5° to +40° C)

### Non-Operating Temperature

-22° to 164° F (-30° to +73° C)

### Operating Humidity

15% to 90% (non-condensing)

### Power Consumption

100 to 125 VAC, 2A max or 200 to 250 VAC, 1A max; 60 Hz

## AGENCY AND STANDARDS SPECIFICATIONS

### Safety

Meets the requirements of UL1950, CSA C22.2 No. 950, EN60950, IEC950 and 72/73/EEC

### Electromagnetic Compatibility

Compliant with the requirements of FCC Part 15, CSAC108.8, EN555022, VCCI V-3/93.01, EN50082-1 and 89/336/EEC

### RFCs/MIBs

RFC 1213 - MIB-2; RFC 1493 - Bridge MIB; RFC 1573 - Interfaces MIB; RFC 1643 - Ethernet-like interface MIB; RFC 1163 - BGP; RFC 1267 - BGP-3; RFC 1771 - BGP-4; RFC 1657 - BG-4 MIB; RFC 1058 - RIP v1; RFC 1723 - RIP v2; RFC 1724 - RIP v2 MIB; RFC 1757 - RMON; RFC 1583 - OSPF Version 2; RFC 1253 - OSPF v2 MIB; RFC 2096 - IP Forwarding MIB; RFC 1812 - Router Requirements; RFC 1519 - CIDR; RFC 1157 - SNMP; RFC 2021 - RMON2; RFC 2068 - HTTP

### Standards

IP Routing: RIPv1/v2, OSPF, BGP-4; IPX Routing: RIP, SAP; Multicast Support: IGMP, DVMRP, PIM (Future); IEEE 802.1p; IEEE 802.1Q; IEEE 802.1d Spanning Tree; IEEE 802.3; IEEE 802.3u; IEEE 802.3x; IEEE 802.3z

## ORDERING INFORMATION

### 6SSRM-02

Advanced Router Module for the Matrix E6 and E7

### Expansion Modules

#### 6SSRLC-TX-AA

8-port 10/100Base-TX

#### 6SSRLC-FX-AA

8-port 100Base-FX (MTRJ)

#### 6SSRLC-SX-AA

2-port 1000Base-SX

#### 6SSRLC-LX-AA

2-port 1000Base-LX

#### 6SSRLC-LX70-AA

1-port 1000Base-LX 70 KM

#### 6SSRLC-SER-AA

2-port Serial

#### 6SSRLC-SERC-AA

4-port Serial w/compression

#### 6SSRLC-SERCE-AA

4-port Serial w/compression + encryption

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