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Find the *Enterasys / Cabletron Matrix 6E233-49* at our website: *Click HERE*

MATRIX™ 6E233-49 HIGH-DENSITY SWITCHING MODULE

Data Sheet



- **High-performance, scalable switching for the Matrix E6 and E7**
  - Wire-speed performance and high capacity, with port density of 48 full-duplex switched Ethernet ports
  - Modular HSIM slot for flexible high-speed access to Fast Ethernet, Gigabit Ethernet, ATM, WAN and more
- **Standards based for complete system interoperability**
  - Complies with industry standards, including emerging 802.1Q VLAN and 802.1p class of service
- **Industry-leading management**
  - GUI-based NetSight™ for device and VLAN management
  - Full SNMP support and all nine groups of RMON
  - Supports port trunking and port mirroring
- **Fault tolerance for maximum system availability**
  - Distributed switching architecture for increased throughput and capacity with each additional module
  - Complete system redundancy for management, switching, power supplies and environmental control

Full-Function Ethernet Switching

The Matrix 6E233-49 provides high-performance switching with a modular uplink slot for connectivity to a high-speed backbone.

High-Density, High-Performance Ethernet Switching for the Wiring Closet

The Matrix 6E233-49 is a next-generation switched Ethernet module for the Matrix E6 and Matrix E7 chassis. Providing 48 full-duplex capable Ethernet ports and one high-speed interface module (HSIM) slot, it is ideal for environments that require high-density/high-performance Ethernet switching with flexible integrated connectivity to diverse LAN or WAN backbones such as Gigabit Ethernet, ATM or Frame Relay.

The 6E233-49 and the Matrix provide not only the best performing modular Ethernet switching solution available in the industry today, but also deliver unprecedented affordability (comparable with most vendors' workgroup solutions) and an unmatched set of features and services. An established framework of features such as the full nine groups of RMON and standards-based class of service and IP multicast support gives customers the ability to build a switch-based infrastructure equipped to support their business requirements well into the future.

Designed to meet the connectivity needs of small, medium and large enterprises, the Matrix product family—including the industry-leading Matrix E6 and E7—provides high-density, scalable, multilayer switching to enable all the critical applications an organization needs to thrive in the Internet economy. This includes everything from e-commerce and enterprise resource planning to industry-specific applications such as telemedicine, distance learning, and secured financial transactions—even the day-to-day applications a company requires to do business. With the features customers are looking for—guaranteed QoS, enhanced security, multiple technology support, industry-standard management, and more—Enterasys switching solutions are building the next-generation IT infrastructure to support growing enterprises.

ENTERASYS NETWORKS™

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MATRIX

TECHNICAL SPECIFICATIONS

Management Processor
Intel i960 ® HD RISC Processor

Switching Engine
Custom ASIC

Main Memory
16 MB expandable to 32 MB

Buffer Memory
4 MB

Flash Memory
8 MB

Address Table Size
16,000 entries

Switching Bandwidth Capacity
Wire speed

In-Band Management
Supported

Out-of-Band Management
Via RS-232 COM Port, Telnet

PHYSICAL SPECIFICATIONS

Dimensions
46.43 cm (18.28") H x 6.05 cm (2.38") W x 29.51 cm (11.62") D

Weight
2.7 kg (6 lbs)

MTBF
> 200,000 hrs (predicted)

Technology
Ethernet

Port Count
48

Media Type
UTP

Connector Type
RJ21

User Configurable Ports
1 HSIM slot

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature
+5° to +40°C (41° to 104°F)

Non-Operating Temperature
-30° to +90°C (-22° to 194°F)

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

Power Consumption
Voltage Range: 100 to 125 VAC or 200 to 250 VAC
Frequency Range: 50 to 60 Hz
Redundancy: Yes

ORDERING INFORMATION

6E233-49
48-port Ethernet module for the Matrix E6 and E7; includes 48 ports via four telcos and one HSIM slot

HSIM-FE6
Fast Ethernet high-speed interface module with two FEPIM slots (purchase FEPIMs separately)

VHSIM-A6DP
45Mbps - 622Mbps ATM VHSIM

HSIM-F6
FDDI high-speed interface module; supports two FPIMs, both purchased separately

HSIM-SSR-600
HSIM-SSR-600 with dual SWPIM slots, 10/100 Ethernet, CRS

HSIM-W84
4-port WAN high-speed interface module; supports four T1 interfaces via four RJ48C interfaces and IP/IPX routing

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