



- **Industry-leading workgroup capacity and flexibility**
 - Wire-speed performance with 48 switched full duplex Ethernet ports
 - Full duplex capability and port trunking on all ports for scalable bandwidth
 - Modular VHSIM slot for flexible high-speed access to Fast Ethernet, Gigabit Ethernet, ATM, WAN and more
- **Standards based for complete interoperability**
 - Complies with industry standards, including 802.1Q VLAN and 802.1p class of service standards
- **Integrated manageability**
 - Full SNMP management and nine groups of RMON
 - Support for port mirroring
- **Fault tolerant for maximum system uptime**
 - Built-in redundant power supplies

Meet Increasing Network Demands

The 2E253-49 offers advanced features at an affordable price.

High-Density Switching for the Workgroup/Desktop

An ideal Ethernet workgroup solution for environments requiring high-density dedicated switching in a compact, fault-tolerant standalone device, the 2E253-49R Ethernet Switch provides line rate switching performance equipped to deal with ever-increasing demands on the network. The 2E253-49R's advanced design offers 48 switched 10Base-T ports, built-in redundant power supplies and optional high-speed backbone connectivity. It also features nine groups of RMON, full duplex operation on every port, port trunking and port mirroring, and support for 802.1Q/p standards-based traffic prioritization/Virtual LANs.

In addition to the high density and advanced features, the 2E253-49R also provides flexible, fully integrated connectivity to high-speed LAN technologies such as Fast Ethernet, Gigabit Ethernet, ATM, FDDI or the WAN. Its VHSIM slot can accept a VHSIM or an HSIM to provide a flexible, fault-tolerant backbone connection ensuring integration into the network infrastructure and the maximum level of investment protection.

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
7.11 cm (2.8") H x 43.18 cm (17") W x 47 cm (18.5") D

Weight
5.85 kg (13 lbs)

MTBF
> 200,000 hr (predicted)

Technology
Ethernet

Port Count
48

Media Type
UTP

Connector Type
RJ21

User Configurable Ports
1 VHSIM slot that accepts HSIMs and VHSIMs

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

ORDERING INFORMATION

2E253-49R

With 48 Ethernet ports via 4 telcos (RJ21s), one HSIM/VHSIM slot, and redundant power (purchase HSIM/VHSIM separately)

VHSIM-G6

Gigabit Ethernet VHSIM, connectivity provided via hot swappable GPIMs

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)

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