2E42-27R WORKGROUP/DESKTOP SWITCH   Data Sheet

- **Wire-speed connectivity and performance**
  — 24-port Ethernet switch supporting modular Fast Ethernet connectivity along with high-speed FDDI or ATM uplink and WAN capabilities
  — Delivers over 400,000 pps of performance through ASIC-based design
  — Provides port trunking functionality for high-bandwidth interswitch links
  — Full Duplex Switched Ethernet (FDSE) operation on all 10 Mbps and 100 Mbps services

- **Complete management for maximum uptime**
  — Supports all nine groups of RMON and SNMP to remotely monitor, control, and diagnose potential problems
  — Support for broadcast storm protection and port mirroring functionality

Innovative Workgroup/Desktop Switching

The 2E42-27R offers advanced functionality and performance to the workgroup/desktop.

Full-Function Switching Performance for the Workgroup/Desktop Environment

The 2E42-27R provides affordable, high-performance workgroup/desktop switching with connectivity to the WAN or high-speed LAN backbones. Designed with features usually found only in top-of-the-line data center switches, the 2E42-27R provides the industry's most complete feature set at the workgroup and desktop levels of the enterprise.

Functioning as a standalone switch, the 2E42-27R offers 24 10 Mbps switch ports, two optional Fast Ethernet switch interfaces, and an optional high-speed interface module (HSIM) that can be used for backbone connectivity. Available with a single power supply or dual, load-sharing power sources, the 2E42-27R Ethernet switch can be used as a high-speed desktop switch or as a workgroup switch feeding building or campus backbones.

The 2E42-27R is also ideally suited to the corporate remote site or small office, where users and servers benefit from dedicated Ethernet/Fast Ethernet LAN connectivity as well as high-speed access over the WAN to corporate headquarters or the Internet. Designed with a unique ASIC-based switching architecture, the 2E42-27R will deliver over 400,000 packets per second of Ethernet switching performance and wire-speed connectivity for network users and servers.

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TECHNICAL SPECIFICATIONS

Processor
Intel i960

Switching Engine
Software/hardware using ASICs

Main Memory
16 MB standard

Shared Memory
4 MB standard

Flash Memory
4 MB standard, expandable to 8 MB

Address Table Size
8,192 entries

PHYSICAL SPECIFICATIONS

Interfaces
24 RJ45 or 24 via RJ71; one optional HSIM, two optional FEPIMs

In-band Management
Remote SNMP via NetSight Element Manager

Out-of-band Management
RS-232 com port

Dimensions
7.1 cm (2.8") x 42.2 cm (17") x 47 cm (18.5")

Weight
4 kg (8 lbs)

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
Voltage Range: 100 to 125 VAC or 200 to 250 VAC
Frequency Range: 50 to 60 Hz

ORDERING INFORMATION

2E42-27R
Ethernet Workgroup/Desktop switch with second power supply, 24 switched 10Base-T ports via RJ45s, two FEPIM slots, and one HSIM slot for uplinks (purchase FEPIMs and HSIM separately)

2E42-27RDC
Ethernet Workgroup/Desktop switch with two DC power supplies, 24 switched 10Base-T ports via RJ45s plus two FEPIM slots and one HSIM slot for uplinks

2E48-27R
Ethernet Workgroup/Desktop switch with two power supplies, 24 switched 10Base-FL ports via MMF ST, two FEPIM slots, and one HSIM slot for uplinks (purchase FEPIMs and HSIM separately)

UPLINKS

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

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