2H252-25R WORKGROUP SWITCH

Data Sheet

- **High-density switching and advanced features**
  - High performance, with throughput of 2 million pps and bandwidth of 3.3 Gbps
  - Port trunking allows for the combination of multiple ports to create scalable, high-bandwidth interswitch links
  - Full duplex support and 10/100 auto-negotiation on all ports allow the bandwidth capacity to scale with requirements
  - Modular uplink connectivity ensures high-speed access to many technologies including Gigabit Ethernet, Fast Ethernet, ATM, WAN

- **Complies with industry standards for system interoperability**
  - Meets the 802.1Q VLAN standard, 802.3x flow control standard, and 802.1p class of service standard

- **Fully integrated management**
  - Provides full SNMP management and nine groups of RMON
  - Port mirroring allows local network traffic to be re-directed to an external probe for detailed analysis
  - Intelligent broadcast control suppresses broadcast packets according to a user-defined threshold, governing the flow of traffic to avoid storms

- **Fault tolerant for maximum uptime**
  - Built-in redundant power supplies ensure system redundancy

Designed for Mission-Critical Workgroups

High-density switching and advanced features bring superior performance to the workgroup environment.

Flexible High-Performance Switching for the Workgroup

With 24 10/100 Fast Ethernet ports via RJ45 interfaces and one VHSIM slot, the 2H252-25R is ideal for workgroup environments requiring 10/100 switching as well as integrated connectivity to high-speed backbone technologies such as Gigabit Ethernet or ATM. The 2H252-25R also provides a feature set that is characteristic of a data center switch with full RMON, port trunking, port mirroring and redundant power.

In addition to high density and advanced features, the 2H252-25R Fast Ethernet switch provides the flexibility of a high-speed uplink to local servers or to a high-speed backbone using an optional VHSIM. The VHSIM slot can be populated with a large variety of technologies including switched Gigabit Ethernet (1000Base-SX/LX/CX) using the VHSIM-G, or ATM, FDDI, Fast Ethernet or WAN using an HSIM. The physical media type (MMF, SMF) within the VHSIM/HSIM is also user-configurable, according to type of port interface module (PIM) used. VHSIM slots accept VHSIMs as well as HSIMs, ensuring investment protection for uplink modules purchased in the past.

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TECHNICAL SPECIFICATIONS

Management Processor
Intel i960 ® HD RISC processor

Switching Engine
Custom ASIC

Main Memory
20 MB expandable to 32 MB

Buffer Memory
4 MB

Flash Memory
8 MB

Address Table Size
16,000 entries

Performance Throughput Capacity
2,000,000 pps (measured in 64 byte packets)

Switching Bandwidth Capacity
3.3 Gbps

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
4.95 kg (11 lbs)

MTBF
> 200,000 hr (predicted)

Technology
Fast Ethernet

Port Count
24

Media Type
UTP

Connector Type
RJ45

User Configurable Ports
1 VHSIM slot that accepts HSIMs and VHSIMs

ENVIRONMENTAL SPECIFICATIONS

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

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

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

2H252-25R
10/100 Fast Ethernet Workgroup Switch with 24-ports via RJ45 interfaces and one high-speed uplink slot (purchase VHSIM separately)

2H252-25RDC
10/100 Fast Ethernet Workgroup Switch with 24-ports via RJ45 interfaces and one high-speed uplink slot (purchase VHSIM separately) DC power

VHSIM-G6
Gigabit Ethernet VHSIM, connectivity provided via hot swappable GPIMs

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

VHSIM2-A6DP
45Mbps - 622Mbps ATM VHSIM

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

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

GPIM-01
Gigabit Ethernet port interface module, 1000Base-SX

GPIM-09
Gigabit Ethernet port interface module, 1000Base-SX

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