



- **High-performance connectivity**
  - 2 million pps of throughput and 3.3 Gbps of bandwidth; ideal for high-powered RJ21-based Fast Ethernet switching
  - Port trunking allows for the aggregation of multiple ports to create high-bandwidth, inter-switch links
  - Full Duplex and 10/100 auto-negotiation support on each interface maximizes throughput
- **Total network flexibility**
  - Modular VHSIM/HSIM slot for optional high-speed access to backbone technologies such as Gigabit Ethernet, ATM, WAN and more
- **Standards based for complete interoperability**
  - Support for industry standards including 802.1Q VLANs, 802.1p class of service/multicast filtering, and LDAP directory
- **Fully integrated manageability**
  - Full SNMP and 9 groups of RMON
  - Web-based management allows device-level management using any standard web browser
- **Bandwidth optimization**
  - 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

### Ideal Enterprise Workgroup

*The 2H253-25R offers the perfect balance of price, performance, functionality and flexibility in a small form-factor.*

### Feature-Rich, Fault-Tolerant Switching for the Workgroup

The 2H253-25R is a high-performance standalone Fast Ethernet switch optimized for mission-critical enterprise applications. Providing 24 ports of 10/100 auto-negotiable switched 100Base-TX connectivity via Category 5 RJ21 (50pin) connectors, the 2H253-25R is ideal for medium-sized workgroup environments.

Offering a flexible and high-performance design capable of forwarding more than 2 million packets per second, the 2H253-25R offers dedicated 10/100 services direct to users, or to other devices, in addition to connectivity to a high-speed backbone. The VHSIM/HSIM slot can be populated with a large variety of optional interfaces including switched Gigabit Ethernet (1000Base-SX/LX/CX using the VHSIM-G6), as well as ATM, Fast Ethernet, FDDI, and even integrated WAN support using an HSIM. Robust features—including support for 9 groups of RMON, port trunking, high-speed link aggregation and web-based management—optimize control and interoperability within the switched network.

## TECHNICAL SPECIFICATIONS

### Management Processor

Intel i960 HD RISC processor

### Switching Engine

Custom ASIC in conjunction with Motorola PowerPC Microprocessor

### 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

Via SNMP using NetSight™ or portable management applications

### Out-of-Band Management

Via RS-232 COM Port, Telnet

### MTBF (predicted)

>200,000 hr

## PHYSICAL SPECIFICATIONS

### Interfaces

24-ports of 10Base-T/100Base-TX via dual RJ21; one modular uplink slot that accepts an HSIM or VHSIM

### Dimensions

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

### Product Weight

4.95 kg (11 lbs)

## 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

NetSight is a trademark of Enterasys Networks, a Cabletron Systems Company. All other products or services mentioned are identified by the trademarks or service marks of their respective companies or organizations. NOTE: Enterasys Networks reserves the right to change specifications without notice. Please contact your representative to confirm current specifications.

## AGENCY AND STANDARDS SPECIFICATIONS

### Safety

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

### Electromagnetic Compatibility (EMC)

Compliant with the requirements of FCC Part 15, CSA C108.8, EN555022, VCCI V-3/93.01, EN50082-1 and 89/336/EEC

### RFCs/MIBs

IETF MIB II (RFC 1213)

IETF Bridge MIB (RFC 1493)

FIB MIB (RFC 1354)

RMON MIB (RFC 1757)

## ORDERING INFORMATION

### 2H253-25R

24-port 10/100 Fast Ethernet Workgroup switch via dual RJ21 connectors and 1 VHSIM/HSIM slot

### VHSIM-G6

Gigabit Ethernet very high-speed interface module; accepts one active and one redundant GPIM (sold separately)

### HSIM-F6

FDDI high-speed interface module; accepts one (SAS) or two (DAS) FPIMs (sold separately)

### HSIM-FE6

Fast Ethernet high-speed interface module; accepts two active FEPIMs (sold separately)

### HSIM-W6

Dual-port WAN high speed interface module; accepts two active WPIMs (sold separately)