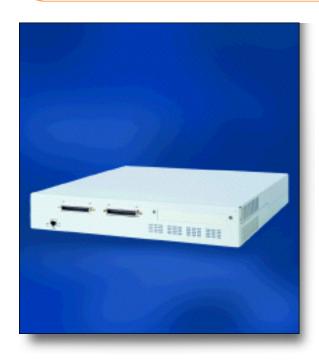
Data Sheet



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 userdefined 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 I0Base-T/I00Base-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 $^{\circ}$ to +90 $^{\circ}$ C (-22 $^{\circ}$ to 194 $^{\circ}$ 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)

