VERTICAL HORIZON VH-4802 FAST ETHERNET STANDALONE WORKGROUP SWITCH

- **10/100/1000 Mbps wire-speed switching**
    — 48 ports of 10/100 Mbps connectivity with two option slots for uplink modules that support 1000Base-LX Gigabit Ethernet for long distance fiber, 1000Base-SX Gigabit Ethernet for shorter distance fiber, and 100Base-FX Fast Ethernet
    — Integrated ASIC design provides a total of 16 Gbps of internal switching fabric bandwidth and wire speed on all ports; throughput of over 10 Mpps
    — Support for half and full duplex operation
    — 10/100 Mbps auto-negotiation for the fastest possible transmit and receive speed
    — 12k MAC address tables for integration into large enterprise networks

- **Standards-based support**
    — Standards-based VLANs per the IEEE 802.IQ for seamless integration into multivendor networks
    — IEEE 802.1Q MIB for easy management and configuration via NetSight 802.1Q VLAN Manager
    — Compliance with IEEE 802.1d and 802.3 ensures compatibility with other standards-based networking products
    — Supports the IEEE 802.1p priority queuing specification

- **Simplified management**
    — Network management and configuration tasks are easily performed via local console port, web browser or any SNMP-based network management station
    — Supports 4 groups of RMON per port for network troubleshooting and monitoring
    — Port mirroring allows the connection of an RMON probe or data analyzer for advanced fault diagnosis
    — Broadcast throttling reduces the number of broadcasts within a network releasing valuable bandwidth for unicast traffic

An Ideal Solution for the Wiring Closet and Workgroup

The Vertical Horizon VH-4802 provides industry-leading features and functionality in a standalone solution.

High-Performance, Wire-Speed Switching for Small and Medium Enterprise Networks

Ideally suited to supporting high-performance Fast Ethernet switching in small to medium-sized network backbone applications, as well as high-performance direct end-station connectivity, the standalone Vertical Horizon VH-4802 may be deployed in wiring closet and desktop edge switching applications where Gigabit Ethernet is the desired backbone technology.

The Vertical Horizon VH-4802 provides 48 RJ45 ports of wire-speed 10/100Base-TX connectivity to tie together high-performance workstations, file servers, desktop switches and shared access workgroup hubs. Two option slots for modular 100Base-FX and 1000Base-X uplinks allow customers flexibility in their backbone connections.

Wire-speed performance on all ports and industry-leading features allow the VH-4802 to integrate into small to medium-size networks as well as provide an ideal edge switching solution in larger enterprises. With plug-and-play installation, advanced network management and standards-based switching features, the VH-4802 is an industry leader in its class.

ENTERASYS NETWORKS™

TECHNICAL SPECIFICATIONS

Processor: XPC801ZT40 (33 MHz)

Main Memory: 8M bytes

Buffer Memory: 512KB for 10/100Base port; 2MB for 1000Base port

Flash Memory: 2M bytes

Address Table Size: 12k entries

Performance Throughput Capacity: 10.2 Mpps (single unit) (all calculations based on 64 bytes per packet)

Switching Bandwidth Capacity: 16 Gbps

MTBF (predicted): 6 years

PHYSICAL SPECIFICATIONS

Interface Options: 48 ports of 10Base-T/100Base-TX RJ45 and two option slots for uplink modules

Dimensions: 8.4 cm (3.3") H x 44 cm (17.37") W x 35 cm (13.8") D

Weight: 4.8 kg (10.6 lbs)

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature: 0° to 50° C (32° to 122° F)

Operating Humidity: 10% to 90% (non-condensing)

Operating Voltage: 100 to 240 VAC

Power Consumption: 90 Watts

AGENCY AND STANDARDS SPECIFICATIONS

Safety
UL1950
CSA C22.2 No. 950
73/72/EEC
EN60950

Electromagnetic Compatibility
FCC Part 15
CSA C108.8
89/336/EEC
EN55022
EN 61000-3-2
EN 61000-3-3
EN 50082-1
AS/NZS 3548
VCCI V-3

ORDERING INFORMATION

VH-4802
Fast Ethernet standalone switch with 48 RJ45 10/100TX ports and two rear option slots

VHIM1000-S1SX
1-port 1000Base-SX (MMF, SC style connectors)

VHIM100-S1SFX
1-port 100Base-FX (SMF, SC style Connectors)

VHIM100-S2MFX
2-port 100Base-FX uplink module (MMF, SC style connectors)

VHIM1000-S1LX
1-port 1000Base-LX (Long Reach)

VH-1RDC
Single DC redundant power supply unit

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