VERTICAL HORIZON™ VH-8TX1UM/VH-8TX1MF FAST ETHERNET STANDALONE WORKGROUP SWITCHES

Data Sheet

- **10/100 Mbps wire-speed switching**
  — 8 ports of 10/100 Mbps connectivity with one fixed single mode fiber port (VH-8TX1UM) or one fixed multimode fiber port (VH-8TX1MF)
  — 8k MAC address table for integration into large enterprise networks
  — Integrated ASIC design provides a total of 9.6 Gbps of internal switching bandwidth and wire speed on all ports; throughput of over 1.2 Mpps
  — Support for half and full duplex operation
  — 10/100 Mbps auto-negotiation for the fastest possible transmit and receive speed

- **Convergence ready**
  — Provides convergence support for time-sensitive applications such as voice and video streaming with configurable priority queuing per the IEEE 802.1p standard

- **Simplified management**
  — Network management via an embedded management agent
  — Supports SNMP, embedded web http server, Telnet and a local console port
  — Broadcast throttling reduces broadcasts, releasing bandwidth for unicast traffic
  — Port mirroring enables advanced fault diagnosis
  — Enables TFTP download for easy in-band software upgrades
  — Supports 4 groups of RMON per port for network troubleshooting and monitoring

- **Standards-based support**
  — IEEE 802.1d, 802.1p and 802.3 compliance ensures compatibility with other standards-based networking products
  — IEEE 802.1Q VLAN compliant; supports up to 64 VLANs
  — Supports back pressure in half duplex or 802.3x Flow Control in full duplex mode

Fast Ethernet Connectivity for the Workgroup and Wiring Closet

The Vertical Horizon VH-8TX1UM/VH-8TX1MF provide industry-leading features and functionality in a standalone solution.

Wire-Speed Performance for Small and Medium Enterprises

Ideally suited to high-performance Fast Ethernet switching in small and medium-sized networks, the Vertical Horizon Fast Ethernet standalone switches (VH-8TX1UM/VH-8TX1MF) provide 8 10/100 Mbps RJ45 ports and one fixed 100Base-FX single mode fiber port (VH-8TX1UM) or one fixed multimode fiber port (VH-8TX1MF).

The VH-8TX1UM/VH-8TX1MF support network-intensive applications and high-volume file transfers while providing extended reach thanks to uplinks to the backbone. An advanced and powerful feature set also make them an ideal enterprise edge solution with the functionality necessary to meet the demands of future network requirements. With support for port trunking, 802.1p priority queuing and 802.1Q VLANs, the VH-8TX1UM/VH-8TX1MF can handle the additional performance requirements of convergence-ready networks.

Wire-speed performance on all ports and industry-leading features allow the VH-8TX1UM/VH-8TX1MF to integrate into smaller networks as well as provide ideal edge switching solutions in larger enterprises. Plug-and-play installation, advanced network management and standards-based switching features make the VH-8TX1UM/VH-8TX1MF Fast Ethernet switches the industry leaders in their class.

ENTERASYS NETWORKS™

TECHNICAL SPECIFICATIONS

Main Memory
8 MB

Buffer Memory
128 KB for each 10/100Base port

Flash Memory
2 MB

Address Table Size
8k entries

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

Switching Bandwidth Capacity
9.6 Gbps (VH-8TX1UM)
9.6 Gbps (VH-8TX1MF)

MTBF (predicted)
6 years

PHYSICAL SPECIFICATIONS

Interface Options
8 ports of 10Base-T/100Base-TX RJ45 and 1 fixed 100Base-FX single mode fiber uplink port (VH-8TX1UM) or 1 fixed 100Base-FX multimode fiber uplink port (VH-8TX1MF)

Dimensions
4.36 cm (1.72") H x 20.4 cm (8.03") D x 33 cm (13") W

Weight
1.89 kg (4.17 lbs)

ENVIRONMENTAL SPECIFICATIONS

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

Operating Humidity
5% to 95%, noncondensing

Operating Voltage
100 to 240VAC

Power Consumption
90 VA

AGENCY AND STANDARDS SPECIFICATIONS

Safety
UL 1950, CSA C22.2 No. 950, 73/23/EEC, EN 60950, IEC950

Electromagnetic Compatibility (EMC)
FCC Part 15, CSA C108.8, 89/336/EEC, EN 55022, EN 61000-3-2, EN 61000-3-3, EN 50082-1, AS/NZS 3548, VCCI V-3

ORDERING INFORMATION

VH-8TX1UM
Fast Ethernet standalone switch with 8 RJ45 10/100 TX ports and 1 front-fixed 100Base-FX single mode fiber port

VH-8TX1MF
Fast Ethernet standalone switch with 8 RJ45 10/100 TX ports and 1 front-fixed 100Base-FX multimode fiber port

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