

- **8-port Fast Ethernet workgroup switch**
- **Provides wire-speed Layer 2 performance**
- **Easy to deploy via simplified management**



Vertical Horizon™ VH-8TX Fast Ethernet Switches

Switch Architecture Ideally Suited to the Small to Mid-Market Enterprise

The Vertical Horizon VH-8TX is a small, standalone, managed switch with eight Fast Ethernet ports and a single integrated 100Base-FX port (either single mode fiber or fixed multimode fiber). Designed as a desktop, workgroup, or departmental switch, the VH-8TX is ideally suited for high-performance Fast Ethernet users. The integrated ASIC provides for an advanced and powerful feature set that supports network-intensive applications like video on demand and voice over IP, as well as high-volume file transfers.

Wire-Speed Layer 2 Performance and Standards-Based Switching Features

The Vertical Horizon VH-8TX Series provides wire-speed performance on all ports and industry-leading features, which allow the VH-8TX Series to integrate into smaller networks and provide ideal edge-switching solutions in larger enterprises. With a switching capacity of 9.6 Gbps and a forwarding capacity of 1.2 Mpps, the VH-8TX Series guarantees the successful transmission of mission-critical applications. The VH-8TX Series supports advanced features like 802.1p priority queuing, 802.1Q VLANs, Spanning Tree for path redundancy, and IGMP for multicast applications.

Network Management and Security

The plug-and-play simplicity of the Vertical Horizon VH-8TX Series brings a new level of intelligence to the small to mid-market enterprise. The Vertical Horizon VH-8TX Series can be managed via an embedded web server that uses common HTTP browsers, SNMP, Telnet, or serial connections. Local Console Management (LCM) allows for the ability to monitor and configure the VH-8TX switches, configure features such as SNMP community names and access rights, enable and disable ports, complete firmware downloads, and provide remote monitoring (RMON groups 1, 2, 3, 9). LCM can also provide statistical and diagnostic information about the entire device or an individual port.

The Vertical Horizon VH-8TX Series also delivers security to the network via MAC Port Locking that provides the ability to deny access to users based on MAC address. Another security feature of the Vertical Horizon VH-8TX is one-to-one Port Mirroring to monitor network traffic. With Port Mirroring, a copy of each incoming and outgoing packet is forwarded from one port of a network switch to another port where the packet can be studied for access denial.

- **10/100 Mbps wire-speed switching**
 - 8 ports of 10/100 Mbps connectivity with one fixed SMF port (VH-8TX1UM) or one fixed MMF port (VH-8TX1MF)
 - 8k MAC address table
 - 9.6 Gbps of switching bandwidth; throughput of over 1.2 Mpps
 - Support for half and full duplex operation
 - 10/100 Mbps auto-negotiation
- **Convergence ready**
 - Supports time-sensitive applications with IEEE 802.1p priority queuing
- **Simplified management**
 - Network management via an embedded management agent; supports SNMP, web, Telnet and a local console port
 - Broadcast throttling, port mirroring; enables advanced fault diagnosis
 - Supports 4 groups of RMON
- **Standards-based support**
 - IEEE 802.1d, 802.1p and 802.3, IEEE 802.1Q VLAN, and 802.3x Flow Control

SPECIFICATIONS

TECHNICAL SPECIFICATIONS

Switching Bandwidth Capacity

9.6 Gbps (VH-8TX1UM); 9.6 Gbps (VH-8TX1MF)

Performance Throughput Capacity

1.2 Mpps (based on 64 bytes per packet)

MAC Address Capacity: 8,000

VLAN Capacity: 256

Flash Memory: 2 MB

DRAM: 8 MB

Buffer Memory: 128 KB for each 10/100Base port

PHYSICAL SPECIFICATIONS

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)

Power Requirements

Operating Voltage: 100 to 240VAC

Power Consumption: 90 VA

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

ENVIRONMENTAL SPECIFICATIONS

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

Humidity: 5% to 95%, noncondensing

MTBF (predicted): 6 years

ORDERING INFORMATION

VH-8TX1UM	8 RJ45 10/100 TX ports with 1 100Base-FX single mode fiber port	VH-8TX1MF
VH-8TX1MF	8 RJ45 10/100 TX ports with 1 100Base-FX multimode fiber port	

WARRANTY

As a customer-centric company, Enterasys is committed to providing the best possible workmanship and design in our product set. In the event that one of our products fails due to a defect in one of these factors, we have developed a comprehensive warranty that protects you and provides a simple way to get your products repaired as soon as possible.

SERVICE AND SUPPORT

Enterasys Networks understands that superior service and support is a critical component for your *Business-Driven Network™*. The Enterasys **SupportNet Portfolio**—a suite of innovative and flexible service and support offerings—completes the Enterasys *Business-Driven Network* solution. SupportNet offers all the post-implementation support services you need—online, onsite or over the phone—to maintain network availability and performance.

ADDITIONAL INFORMATION

For additional information on the Vertical Horizon, please visit www.enterasys.com/products/switching/VH

CONTACT INFORMATION

Contact Enterasys Sales at **978-684-1000** or enterasys.com/corporate/contact/contact-sales.html

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