

VERTICAL HORIZON VH-8G GIGABIT ETHERNET STANDALONE WORKGROUP SWITCH

Data Sheet



- **1000 Mbps wire-speed switching**
 - Provides 8 ports of 1000 Mbps connectivity via fixed SC style connectors
 - Integrated ASIC design provides a total of 16 Gbps of internal switching fabric bandwidth and wire speed on all ports; throughput of over 12 Mpps
 - 8k MAC address table allows integration into large enterprise networks
- **Standards-based support**
 - Standards-based VLANs per the IEEE 802.1Q standard for seamless integration into multivendor networks
 - Supports IEEE 802.1Q MIB for easy management and configuration by NetSight
 - Complies with IEEE 802.1d and 802.3, to ensure compatibility with other standards-based networking products
 - Supports the IEEE 802.1Q VLAN specification for tag-based VLANs
 - Supports the IEEE 802.1p priority queuing specification for two priority queues
 - Supports 802.3x Flow Control in full duplex mode
- **Integrated network management**
 - Network management and configuration tasks are easily performed via local console port, web browser or any SNMP-based network management station
 - Supports port trunking on the 1000Base-SX ports
 - 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
 - Supports TFTP download for easy in-band software upgrades
 - Provides broadcast throttling to reduce the number of broadcasts within a network

Standalone Switching for Small to Medium Enterprises

The Vertical Horizon VH-8G standalone switch allows high-performance, full-featured Gigabit Ethernet switching.

Gigabit Ethernet Connectivity for the Wiring Closet and Workgroup

The Vertical Horizon VH-8G is a high-performance standalone workgroup switch suitable for supporting network-intensive applications and high-volume file transfers. The VH-8G may be successfully deployed in wiring closet and desktop/workstation edge-switching applications where Gigabit Ethernet is the desired backbone technology.

With all the features and performance required from a desktop or workgroup switching solution, the Vertical Horizon VH-8G provides 8 SC ports of wire-speed 1000Base-SX connectivity to tie together high-performance workstations, file servers, desktop switches and shared access workgroup hubs.

Wire-speed performance on all ports and industry-leading features allow the Vertical Horizon VH-8G to integrate into small to medium networks as well as provide an ideal edge switching solution in larger enterprises. The VH-8G offers industry-leading price, performance and features along with ease of installation, and high reliability. Plug-and-play installation, advanced network management and standards-based switching features make the VH-8G Gigabit Ethernet Switch a leader in its class.

TECHNICAL SPECIFICATIONS

Processor

Winbond 78E516 (12.5 MHz)

Main Memory

8M bytes

Buffer Memory

1.25 Mb for each 1000Base-SX port

Flash Memory

2M bytes

Address Table Size

8k entries

Performance Throughput Capacity

12 Mpps (single unit) (all calculations based on 64 bytes per packet)

Switching Bandwidth Capacity

16 Gbps

MTBF (predicted)

6 years

PHYSICAL SPECIFICATIONS

Interface Options

8 fixed ports of 1000Base-SX SC MMF

Dimensions

6.4 cm (2.5") H x 44 cm (17.3") W x 28.5 cm D (11.2")
(height = 1.5 U; mountable in a standard 19 inch rack)

Weight

4.6 kg (10.2 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

80 watts

AGENCY AND STANDARDS SPECIFICATIONS

Safety

UL1950

CSA C22.2 No. 950

72/23/EEC

EN60950

IEC950

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-8G

Gigabit Ethernet Standalone switch with 8 fixed SC MMF
1000Base-SX ports

VH-1RDC

Single DC redundant power supply unit

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