

VERTICAL HORIZON VH-2402S 10/100/1000 STACKABLE WORKGROUP SWITCH

Data Sheet



- **High-performance connectivity**
 - 24 ports of 10/100 Mbps wire-speed connectivity and two option slots for expansion as well as a dedicated management slot
 - Configurable data queuing for priority traffic, per the IEEE 802.1p standard, supports time-sensitive applications such as voice and video streaming
 - A 12,000 MAC address table allows the VH-2402S to be easily integrated into large enterprise networks
- **Stackable design**
 - Stackable design allows up to four units to be connected via the VH100-STACK interconnect module and cable
- **Simplified management**
 - An entire stack can be managed as a single entity via an optional management agent
 - IGMP snooping identifies and segregates unicast and multicast packet traffic to ensure an efficient utilization of the switch bandwidth
 - Network management and configuration tasks are easily performed via local console port, web browser or any SNMP-based network management station
- **Standards-based VLAN support**
 - Standards-based VLANs per the IEEE 802.1Q standard allow the VH-2402S to be seamlessly integrated into multivendor networks

An Ideal Enterprise Edge Switching Solution

The Vertical Horizon VH-2402S provides the features and performance required from a workgroup/desktop solution.

Wire-Speed Performance and Industry-Leading Features for Small and Medium Enterprises

The Vertical Horizon (formerly SmartSTACK) Fast Ethernet Stackable Switch (VH-2402S) provides 24 10/100 Mbps RJ45 ports and two option slots for expansion, as well as a dedicated management slot. Wire-speed performance and industry-leading features allow the Vertical Horizon Fast Ethernet Stackable Switch to integrate into small to medium-sized networks, and make it an ideal enterprise edge switching solution. Plug-and-play installation, advanced network management and standards-based switching features make the family of Vertical Horizon Fast Ethernet switches industry leaders in their class.

Vertical Horizon Fast Ethernet Stackable Switches provide all the features and performance required from a desktop or workgroup switching solution. The VH-2402S provides wire-speed 10/100Base-TX connectivity for the connection of high-performance workstations, file servers, desktop switches and shared access workgroup hubs. Two option slots for modular 100Base-FX and 1000Base-X uplinks modules allow customers flexibility in their backbone connections and enable the stacking of multiple switches. The stack of switches can be managed as a single entity with the addition of the management agent anywhere in the stack.

The Vertical Horizon VH-2402S is ideally positioned as a high-performance workgroup switch suitable for supporting network-intensive applications and high-volume file transfers. It may also be used in wiring closet and desktop edge switching applications of large corporations where Gigabit Ethernet is the desired backbone technology. In addition, the VH-2402S can be also used as a standalone switch.

PHYSICAL SPECIFICATIONS

Dimensions

6.4 cm (2.53") H x 44 cm (17.37") W x 28.5 cm (11.22") D

Weight

4.6 kg (10 lbs)

Interface Options

24 ports of 10Base-T/100Base-TX RJ45 and 2 option slots for uplinks and/or expansion modules

Processor

Winbond 78E516 (12.5 MHz)

Main Memory

8 MB

Buffer Memory

128k for 10/100 port; 2 MB for 1000 Mbps port

Flash Memory

2 MB

Address Table Size

12k entries

TECHNICAL SPECIFICATIONS

Performance Throughput Capacity

6.55 Mpps (single unit)/26.2 Mpps (4 high stack); all calculations based on 64 bytes per packet

Switching Bandwidth Capacity

8.8 Gbps

MTBF (predicted)

6 years

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

AGENCY AND STANDARDS SPECIFICATIONS

Safety

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

Electromagnetic Compatibility

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-2402S

Fast Ethernet stackable switch with 24-port 10/100 TX, 2 rear option slots, and dedicated management slot. (Must purchase 1 VH100-SMGMT per standalone or 1 per stack)

Uplink Modules (PIMs)

EPIM1000-S1LX

1-port 1000Base-LX (Long Reach SMF)

EPIM1000-S1SX

1-port 1000Base-SX (MMF, SC style connector)

EPIM100-S1SFX

1-port 100Base-FX (SMF, SC style connector)

EPIM100-S2MFX

2-port 100Base-FX uplink module (MMF, SC style connector)

Management and Interconnect Modules

VH-SMGMT

VH-2402S management module. (One required per standalone/one required per stack) Includes 5' female/female DB-9 serial console cable

VH-STACK

VH100-S24TX2M stack interconnect module with short 32 cm interconnect cable. (Must have one per unit within the stack)

Power Supplies

VH-2RDC

Single DC Redundant Power Supply Unit for VH-Series Switches

Bundles

VH100-S24MGMT

(1) VH-2402S and (1) VH100-SMGMT

VH-S48BNDL

48-port 10/100 managed bundle. (2) VH100-S24TX2M, (1) VH-SMGMT, and (2) VH-STACK

VH-S72BNDL

72 ports 10/100: (3) (1) VH-SMGMT, and (3) VH-STACK

VH-S96BNDL

96 ports 10/100: (4) (1) VH-SMGMT, and (4) VH-STACK

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