

**CUSTOMER RELEASE NOTES**

**Vertical Horizon  
VH-8TX1UM / VH-8TX1MF Patch Release  
Firmware Version 2.04.09.00  
July 14, 2005**

**INTRODUCTION:**

Enterasys recommends that you thoroughly review this document prior to installing or upgrading this product.

**NOTICE: A Patch Release contains a small set of specific feature corrections. It has not been subjected to the same standard of regression testing that a Generally Available Release would be. A Patch Release has been tested only to confirm that the specific feature set is functioning as expected. Unless otherwise stated in the Release Notes, a Patch Release has the same restrictions and limitations as the code upon which it was based. Please read *all* of the Release Notes pertaining to the Generally Available release prior to installation of any Patch in your production network. Please report any undocumented issues you find using the normal technical support procedures found in your product documentation.**

The VH-8TX1MF is an 8-port, dual-speed, manageable, standalone, rack-mountable switch. The switch provides 8 10Base-T/100Base-TX ports, and one switch-selectable 100Base-FX multi-mode fiber port. The VH-8TX1UM is an 8-port, dual-speed, manageable, standalone, rack-mountable switch. The switch provides 8 10Base-T/100Base-TX ports, and one switch-selectable 100Base-FX single-mode fiber port. These switches also include on-board SNMP-based management that supports both in-band and out-of-band access for managing the switch.

Management access is provided in-band via Telnet or TCP/IP or out of band via the serial console port interface either directly or through an attached modem. An imbedded Web agent also provides management capability to any computer on the network via common Http browsers such as Netscape Navigator or Microsoft's Internet Explorer (both browsers should be Version 4.0 or above).

Local Console Management (LCM) allows the user to monitor and configure the VH-8TX1MF/UM from a VT-type terminal. LCM can be used to configure features such as SNMP community names and access rights, Port Enable/Disable, firmware downloads, and Device IP address as well as most other parameters. LCM can also provide statistical and diagnostic information about the entire device or an individual port.

Management of the switches is password protected; the same password is used for LCM and for the Web browser interface. Prior to accessing the switch via a network connection, a valid IP address, subnet mask, and in some cases a default gateway must be configured using an out of band connection or the BootP protocol. The management option provides SNMP, RMON (4 groups: 1,2,3,9), and Web management for system control and statistical monitoring.

**FIRMWARE SPECIFICATION:**

Status	Version No.	Type	Release Date
Current	2.04.09.00	Patch Release	07/14/05
Prior Version	2.04.08.00	Patch Release	04/29/2004
Prior Version	2.04.07.08-2	Patch Release	03/26/2002
Prior Version	2.04.07.08	Customer Release	09/12/2001
Prior Version	2.04.07.07	Intermediate Release	08/21/2001
Prior Version	2.04.07.06	Customer Release	08/06/2001

## CUSTOMER RELEASE NOTES

### FIRMWARE CHANGES AND ENHANCEMENTS:

#### Current Patch Release: 2.04.09.00

The following **known issues** have been fixed in this release of firmware.

Resolved security vulnerability in prior firmware versions. These firmware revisions contained an internal engineering password used to provide debug access. Knowledge of this password would allow unauthorized access to the switches' internal command line. It is recommended that customers upgrade to this revision.

Debug level commands used for gathering information and making register changes are now restricted to the ADMIN login only.

#### Prior Patch Release: 2.04.08.00

The following **known issues** have been fixed in this release of firmware.

Resolved a condition where setting HTTP to "disable" did not actively change the configuration. After disabling HTTP and rebooting the switch, access to the device using HTTP was still active. This has been corrected.

This patch release of firmware for the VH-8TX1MF and VH-8TX1UM supports the Ctrl P password function, which allows the user to reset passwords during the boot-up process.

### KNOWN RESTRICTIONS AND LIMITATIONS:

It is required that POST code version 1.13 be used on the VH-8TX1UM with firmware version 2.04.07.08 or greater (including this patch code). For detailed information on this POST code, please reference the following url: <http://www.enterasys.com/download/download.cgi?lib=vh>

**OTHER RESTRICTIONS AND KNOWN ISSUES CAN BE FOUND IN THE VERSION 2.04.07.08 RELEASE NOTES.**

### GLOBAL SUPPORT:

By Phone: (603) 332-9400

1-800-872-8440 (toll-free in U.S. and Canada)

For the Enterasys Networks Support toll-free number in your country:

<http://www.enterasys.com/support/qtac-all.html>

By Email: [Support@enterasys.com](mailto:Support@enterasys.com)

By Web: <http://www.enterasys.com/support>

By Fax: (603) 337-3075

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For information regarding the latest software available, recent release note revisions, or if you require additional assistance, please visit the Enterasys Networks Support web site.