

iConverter® 4Tx VT **4-Port 10/100BASE-T Managed Ethernet Switch**

The iConverter 4Tx VT is a compact 4-Port Ethernet switch module and is a member of the managed iConverter product family.

The 4Tx VT supports Half or Full-duplex 10/100Mbps auto-negotiation, and features flexible hardware and software controls. Two ports can be controlled by DIP-switches and all four ports can be controlled via SNMP management. The 4Tx VT supports auto-crossover (MDI/MDI-X) on all four ports, eliminating the need for a crossover cable and facilitating connectivity to different types of Ethernet equipment.

The iConverter 4Tx VT complies to IEEE 802.1Q and 802.1p standards. It supports the 802.1Q VLAN packet tagging and untagging for segregating data in Enterprise networks, and enabling secure separation of Service Provider network management and customer data to improve security and intrusion protection.

The 802.1Q Q-in-Q stacked tags enable Service Providers to offer to their customers secure Ethernet Virtual Private Line services which isolates each customer's data traffic, as well as the Service Provider's management traffic.

The 4Tx VT supports the 802.1p prioritization for the delivery of Quality of Service (QoS) to real-time applications such as voice or video over Ethernet.

The iConverter 4Tx VT features Bandwidth and Port Access Controls. On a per port basis, the upstream and downstream traffic can be independently controlled by selecting from eight levels of bandwidth setting. The Port Access Control enables the network administrator to easily control and deny individual port access while maintaining port configuration for easy port re-enabling.

The iConverter 4Tx VT can be used in managed or unmanaged applications. Management is accomplished by installing an iConverter Management Module (NMM2) or Network Interface Device (NID) in the same chassis. The management module provides access to all the advanced features available on the module.

The hot-swappable plug-in module can be mounted in a 19 or 5-Module iConverter chassis with redundant AC and DC power supplies. It can also be mounted in a 2-Module AC or DC powered chassis, or in a 1-Module chassis with AC or DC power input.



KEY FEATURES

- 4-Port 10BASE-T or 100BASE-TX Ethernet switch module
- Conforms to IEEE 802.3, 10BASE-T and 100BASE-TX specifications
- Supports IEEE 802.1Q Tag VLAN, Q-in-Q Multi-tagging and Port VLAN
- Supports IEEE 802.1p Prioritization QoS
- Per port MIB Statistics reporting of 32 variables
- Individual Port Bandwidth and Port Access Control
- RJ-45 port supports auto-crossover, with 10/100 and Half or Full-Duplex auto-negotiation or forced setting
- 100Mbps Ethernet backplane ports for connectivity to adjacent modules
- Multiple 4Tx VT modules can be installed in the same chassis for high-density port configurations
- Management is available with the addition of a management module to the chassis
- SNMP management via NetOutlook® provides real-time port and module information, remote parameter configuration and trap notification
- Commercial (0 to 50°C), wide (-40° to 60°C) and extended (-40° to 75°C) temperature ranges
- Made in the USA
- Lifetime Warranty and free 24/7 Technical Support

SPECIFICATIONS

Description	<i>iConverter</i> 4Tx VT 4-Port 10/100BASE-T Copper Switch	
Standard Compliances	IEEE 802.3, 802.1Q, 802.1p RFC 2819 (RMON)	
Regulatory Compliances	UL, CE, FCC Class A	
Environmental	RoHS, WEEE, REACH	
Frame Size	Up to 1,536 bytes	
Port Types	Copper:	10/100BASE-T (RJ-45)
Cable Types	Copper:	EIA/TIA 568A/B, Cat 5 UTP and higher
DC Power Requirements	DC Input: (Backplane)	3.3VDC, 0.7A @ 3.3VDC
Dimensions W x D x H	0.85" x 4.5" x 2.8" (21.6 mm x 114.3 mm x 71.1 mm)	
Weight	8 oz. (226.8 grams)	
Temperature	Commercial:	0 to 50°C
	Wide:	-40 to 60°C
	Extended:	-40 to 75°C
	Storage:	-40 to 80°C
Humidity	5 to 95% (non-condensing)	
Altitude	-100m to 4,000m	
MTBF (hrs)	740,000	
Warranty	Lifetime warranty and 24/7/365 free Technical Support	

SWITCH CONFIGURATIONS

iConverter compact chassis support Ethernet backplane connectivity between plug-in modules. Modules can be combined to create configurations that provide multi-port Ethernet connectivity to end users and subscribers.

The example below illustrates a 4Tx VT module and a 10/100M2 intelligent media converter installed in a 2-Module chassis. This configuration provides a Fast Ethernet fiber uplink and five managed 10/100BASE-T ports.



ORDERING INFORMATION

Model Number	Description
8481-4t	4-Port 10/100BASE-T Copper Switch with Advanced Switching Features
Base Model Number: 8481-4t	
Select the model from ordering table above.	
Add operating temperature range (t) to the model type selected.	
Operating Temperature Options (t):	
<leave blank> = Commercial temperature (0 to 50°C)	W = Wide temperature (-40 to 60°C)
Z = Extended temperature (-40 to 75°C)	
Contact Omnitron for other configurations and RoHS (5/6) compliant models.	
For chassis options, see iConverter Chassis and Mounting Options web page .	

© 2022 Omnitron Systems Technology, Inc. All rights reserved. *iConverter* and *NetOutlook* are Registered Trademarks of Omnitron Systems Technology, Inc. Trademarks are owned by their respective companies. Specifications are subject to change without notice.

