VOLKTEK
Optical Ethernet Experts

MEN-5512
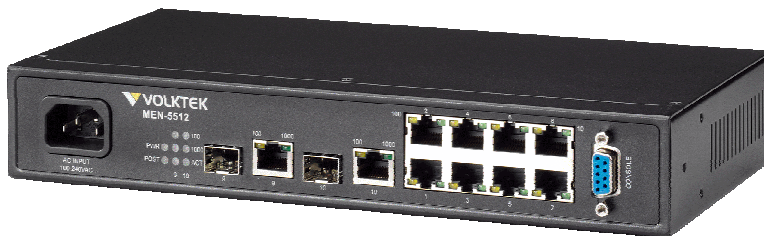Managed 8-port 10/100 + 2FX/2G Multi-rate Access Switch

Product Introduction & Benefits

VOLKTEK's **MEN-5512** Managed Access Switch is equipped with eight 10/100Base-TX ports plus two combo Gigabit ports with RJ-45(10/100/1000Base-T) and SFP slots (1000Base-SX/LX/LHX). The SFP supports Multi-rate Gigabit and Fast Ethernet. It was designed with SNMP, RMON, flexible network management and monitoring options for increased efficiency and performance. Whether managing from an 'in-band' SNMP management station or Internet web browser, or 'out-of-band' on the RS-232 console port, the **MEN-5512** makes network monitoring and troubleshooting easy.

The **MEN-5512** is a feature-rich switch, offering VLAN capabilities, spanning-tree protocol, port isolation, and much more. Special software features can also be added upon request.

With its Auto MDI/MDI-X and NWay capabilities, the **MEN-5512** is simple to deploy within a network. Additionally, the slim housing design is ideal for installation in locations with limited space and in applications requiring low port density. Once installed at any premise, the **MEN-5512** immediately connects the premise via its combo Gigabit Ethernet ports, which provide high-bandwidth uplinks over variable distances.

Main Features:

Standards:

l   IEEE: 802.3, 802.3u, 802.3ab, 802.3z, 802.3x,
     802.3ad, 802.1d, 802.1w, 802.1q, 802.1p

Interface:

l   Eight 10/100Base-TX RJ-45 ports

l   Two GbE Combo ports with 100 and 1000 Multi-rate SFP

l   RS-232 Console (DB-9, Female)

Networking:

l   Spanning Tree Protocol/Rapid Spanning Tree Protocol

l   Proprietary Xpress Ring protocol

l   IGMP Snooping for multicast filtering

l   Rate limitation & Network Storm Protection

l   Loop detection

l   Port-based MAC address quantity limitation

l   Full VLAN (802.1q) with double tagging (Q in Q)

l   LACP

l   CoS and ToS/DiffServ for service differentiation

Management:

l   Web-based GUI

l   SNMP v1, v2c

l   RMON(1,2,3,9)

l   Telnet/Console

l   Command Line

l   Host Denial-of-Service to prevent illegal access

l   E-mail alarm warning

l   Port configuration, status, statistics, security

l   Port mirroring

l   Management VLAN

l   Cable test

Power:

l   100 ~ 240V AC auto-ranging power input

l   -48VDC power option available

l   +12VDC power option available

l   14W Max power consumption

Mechanical & Environmental:

l   Desktop and rack-mountable unit

l   Operating temperature: 0ºC~50ºC
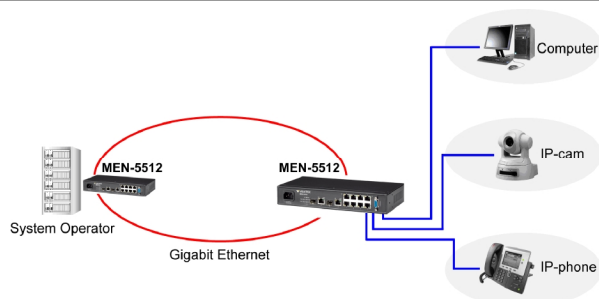
FCC
Class A

CE
Approval

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MEN-5512
Managed 8-port 10/100 + 2FX/2G Multi-rate Access Switch

Specifications:

Standards:	IEEE 802.3u	100Base-TX
	IEEE 802.3ab	1000Base-T
	IEEE 802.3z	1000Base-SX/LX/LHX
	IEEE 802.3ad	Port Trunking
	IEEE 802.3	10Base-T
	IEEE 802.1d	Spanning Tree Protocol
	IEEE 802.1w	Rapid Spanning Tree Protocol
	IEEE 802.3x	Flow Control
	IEEE 802.1p	Priority Queues
	IEEE 802.1q	VLAN Tagging
Ports:	8 x 10/100Base-TX (RJ-45)	
	2 x GbE Combo with 100 and 1000 Multi-rate SFP	
	1 x RS-232 Console (DB-9, Female)	
Throughputs:	14,880/148,800/1,488,000 packets per second (pps) to 10/100/1000 Mbps ports	
MAC Table:	Up to 8K addresses	
VLANs:	Port-based and Tag-based (4K VIDs)	

QoS:	Port-based, IEEE 802.1p tag, IPv4 ToS/DiffServ, IPv6 Traffic Class, source/destination MAC address	
Wavelength:	Depend on SFP module	
Max Distances:	10/100/1000Base-TX:	100m
	RS-232:	15m
	Fiber Optic:	Up to 110km
Power:	Power Input:	100 ~ 240VAC
		-48VDC(optional)
		+12VDC(optional)
Temperature:	Operating:	0ºC to 50ºC
	Storage:	-20ºC to 70ºC
Humidity:	Operating:	10% to 80% RH
	Storage:	5% to 90% RH
Emissions:	FCC Part 15 of Class A & CE Approved	
Safety:	EN 60950-1	
Dimensions:	128 x 268 x 44 mm (D x W x H)	
Weight:	1200g	

Applications:

Designed for FTTx applications. The diagram on the right illustrates a typical MTU/MDU triple-play application for the MEN-5512 series. The actual distances will depend on several factors, including the quality of cables used and the terminal equipment employed.

Ordering Information:

MEN-5512:

Managed 8-port 10/100+ 2FX/2G Multi-rate Access Switch

MEN-5512D:

Managed 8-port 10/100+ 2FX/2G Access Switch with DC-48V power supply

GBM-104:

Mini GBIC, 1.25G SFP-type Multi-mode, 3.3V - 500m

GBM-104-10:

Mini GBIC, 1.25G SFP-type Single-mode, 3.3V - 10km

*GBM-104-30:

Mini GBIC, 1.25G SFP-type Single-mode, 3.3V - 30km

DR-037:

19" rack-mounting kit

* Longer distances available by request, call for details.

(June 2009)
Specifications subject to change without prior notice.