VOLKTEK

MEN-4532

Managed 20 x FX/GbE SFP & 4 x GbE Combo RJ45/SFP & 4 x GbE SFP Switch

Description

MEN-4532 is a Managed L2+ Aggregation switch designed to meet the requirements of ISPs (internet service providers), MSOs (multiple system operators), and enterprise class networks. The switch is equipped with powerful and simple-to-use management functions to deliver efficiently controlled services on a highly secured network.

Features Highlight

Multicast Video Service Support

IGMP (Internet Group Management Protocol) snooping for regulation of multicast traffic and MVR (Multicast VLAN Registration) for communication with hosts residing on different VLANs in a Layer 2 network.

Redundant Ring for Fast Network Recovery

Various ring protocols such as STP (Spanning Tree Protocol), RSTP (Rapid Spanning Tree Protocol), MSTP (Multiple Spanning Tree protocol), Xpress Ring, and ERPS (Ethernet Ring Protection Switching) for recovery of network failure in milliseconds.

Efficient Traffic Prioritization

Effective QoS mechanisms for priority assignment and transmission of dedicated traffics to specific applications.

Enhanced Control and Security

ACLs (Access Control Lists) with Layer 2 to Layer 4 parameters to filter incoming packets to restrict access to sensitive network resources based on TCP/UDP (Transmission Control Protocol / User Datagram Protocol) port numbers and destination IP addresses.

Efficient Network Monitoring and Management

SNMP (Simple Network Management Protocol) v1/v2c/v3 and RMON (Remote Monitoring) for real-time traffic analysis, remote monitoring, and management.

Unparalleled Network Performance

Storm control and traffic monitoring to limit unwanted incoming traffic based on defined parameters for prevention of LAN disruption.
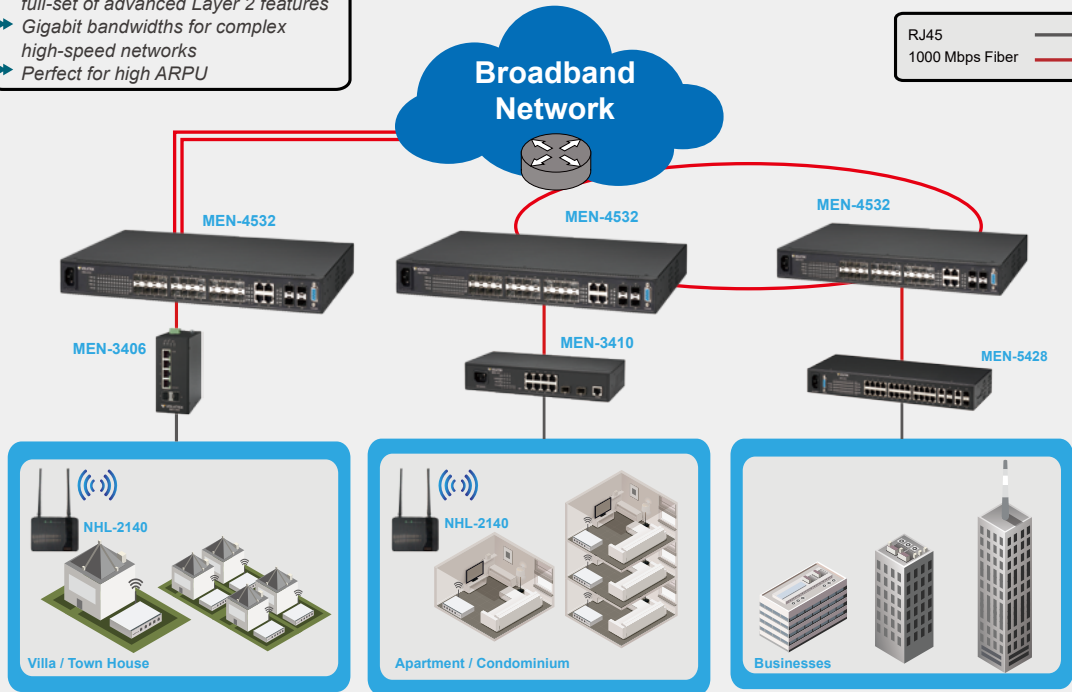
Last-mile Protection

Equipped with Device Lock feature to lock the device to a specific network making it impossible to be reconfigured to work on a different network if it is stolen.

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Applications

Experience superior performance and massive bandwidths that deliver remarkable quality services.

➤ *Combination of basic Layer 3 and full-set of advanced Layer 2 features*
➤ *Gigabit bandwidths for complex high-speed networks*
➤ *Perfect for high ARPU*

RJ45	
1000 Mbps Fiber	

Broadband Network

MEN-4532   MEN-4532   MEN-4532

MEN-3406   MEN-3410   MEN-5428

NHL-2140   NHL-2140

Villa / Town House   Apartment / Condominium   Businesses

Aggregation Level
MEN-4532: Managed 20 x FX/ GbE SFP & 4 x GbE Combo & 4 x GbE SFP Switch

Access Level
MEN-5428: 24 x10/100/1000 RJ45 & 4 x GbE Combo RJ45/ SFP Switch

Access Level
MEN-3410: 8 x 10/100/1000 RJ45 & 2 x FX/GbE SFP Switch

CPE
NHL-2140: 1 x 100/1000 WAN + 4 x 10/100/1000 LAN 802.11ac 2T2R Dual-Band Wireless Router

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Specifications

Standards	
IEEE 802.3	10BASE-T
IEEE 802.3u	100BASE-TX/FX
IEEE 802.3ab	1000BASE-T
IEEE 802.3z	1000BASE-SX/LX
IEEE 802.3x	Flow Control
IEEE 802.3ad	Link Aggregation
IEEE 802.1ab	LLDP
IEEE 802.1D	STP
IEEE 802.1w	RSTP
IEEE 802.1s	MSTP
IEEE 802.1p	Class of Service
IEEE 802.1Q	VLAN Tagging
IEEE 802.1X	Port Authentication
IEEE 802.3az	Energy Efficient Ethernet (EEE)

Interface	
Ports	20 x 100FX/Gigabit Slots
	4 x 100FX/Gigabit Combos
	4 x Gigabit SFP Slots
	1 x RS232 Console Port
LED Panel	PWR1, PWR2, ALARM, POST, 1000, LNK/ACT

Features	
Performance	Jumbo frame Size: 10KBytes
	MAC Table Entries: 16K
	Active VLAN: 4K
	Switch Fabric: 56Gbps
	L2 Forwarding Rate: 41.7Mpps
Management	CLI, Telnet/SSH, HTTP/HTTPs, SNMP v1/v2c/v3, SNMP Trap, MVLAN, Firmware Upgradable, Configuration Backup/Restore, Syslog, SNTP, PTP, LLDP, UDLD, DHCP Client, DHCP Option 66/67/82, DHCP Relay, PPPoE IA, e-mail Alarm, Server Control, Mirroring, DDM, AC Power Down Trap (Battery Required)
Reliability	STP/RSTP/MSTP, Xpress Ring, ERPS v1/v2, Dual Homing, LACP, Code Redundancy
VLAN	IEEE 802.1Q, GARP/GVRP, Port-based VLAN, MAC-based VLAN, IP-based VLAN, VLAN Translation, Protocol-based VLAN, QinQ
Traffic Control	IGMP snooping/Throttling/Proxy, MLD, MVR, QoS, Flow Control, Abnormal Traffic Detection, Rate Limit, Storm Control, Traffic Monitor, Port Isolation, Loop Detection, Static Route

Security	ACL, SSH, Port-based 802.1x, TACACS+, Port Security, MAC Search, Refusal MAC, Sticky MAC, Static MAC, DHCP Snooping, DHCP Sever Screening, ARP Inspection, BPDU Guard/Filter, Root Guard, Management Host

Power	
Input Voltage	AC: 100~240V, 50~60Hz
	DC: 48V (MEN-4532D only)
Power Consumption	25W (System)

Mechanical and Environment	
Housing	Metal Case
Mounting	Rack Mount
Operating Temperature	0° C~50° C
Storage Temperature	-20° C~70° C
Operating Humidity	10 to 95% RH (non-condensing)
Storage Humidity	5 to 95% RH (non-condensing)
Weight	3.66kg
Dimension (WxHxD)	440x44x285mm (1.73x1.7x11.2inch)

Certifications	
Electromagnetic Compatibility	CE Mark FCC Class A EN 55032 (CISRP 32) Class A EN 61000-3-2/3

Ordering Information	
MEN-4532	Managed 20 x FX/GbE SFP & 4 x GbE Combo RJ45/SFP & 4 x GbE SFP Switch
MEN-4532B	Managed 20 x FX/GbE SFP & 4 x GbE Combo RJ45/SFP & 4 x GbE SFP Switch, Battery Charge Function Included
MEN-4532D	Managed 20 x FX/GbE SFP & 4 x GbE Combo RJ45/SFP & 4 x GbE SFP Switch, w/ Internal DC Power

Optional Accessories	
GBM-123TS	1000BASE-LX, Bi-Di SFP TX:1310/RX:1550, Single Mode, 10Km
GBM-123RS	1000BASE-LX, Bi-Di SFP TX:1550/RX:1310, Single Mode, 10Km
GBM-132TS	100BASE-FX, Bi-Di SFP TX:1310/RX:1550, Single mode, 20Km
GBM-132RS	100BASE-FX, Bi-Di SFP TX:1550/RX:1310, Single mode, 20Km

Note :
* The SFP communication distance upon the request.
* Industrial SFP with wide operating temperature from -40° C~85° C is available upon request.
* Specifications subject to change without notice.

Dimension