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MEN-3510

Managed 8 x 10/100/1000 RJ45 & 2 x FX/GbE SFP Switch with USB support, Metal

Description

MEN-3510 is a scalable, cost-effective and future-proof managed switch with advanced USB port which can reduce your OPEX by performing easy plug-n-play firmware upgradation and configuration & syslog backup irrespective of the time and team. It has a safety feature of cabinet locking system which raises the alarms when non-owner opens the switch cabinet box. Besides, the battery level indicator shows the battery charging level and alerts if it goes below low voltage. In addition, the modern IPV6 network management plus link aggregation and ring redundancy features ensure the sub-milliseconds network recovery. Cutting-edge security features such as RADIUS, IP source guard, and port security assure the security for different log-in applications. By considering the advantage of intelligent connection technology to support Auto-negotiation, thereby eliminating the hassle of manually configuring or monitoring settings just plug-n-play ope rability to reduce the OPEX.

Features Highlight

Convenient and Cost-effective Power Solution

While deploying on-site, DC power adapter provides a convenient solution especially in the event adapter failure, service providers can quickly and easily replace the faulty adapter without interrupting the network. Thus, eliminating a time consuming and costly RMA procedure of the switch.

Non-stop Network with Redundant Power

Each time a power failure arises, the subscribers suffer from disrupted network and this in turn translates into loss of revenue, As one of the most innovative solutions for redundant power, the MEN-3510 is built with AC power input, DC jack and battery backup options to ensure that the device and the network is always available.

Multicast Video Service Support

Deploying multicast applications such as IPTV has never been easier than before with comprehensive multicast traffic function such as IGMP snooping in the MEN-3510. The MEN-3510 supports applications that use multi-traffic in large scale across the network, saves network bandwidth, reduces operational burden and enhances the overall network performance.

Comprehensive QoS Mechanisms to Assign Priority

The MEN-3510 has comprehensive QoS mechanisms that assign priority to applications and send only specific dedicated traffic to them. In addition, bandwidth management functions of the switch allocate greater bandwidth for mission-critical communications. With increased control, administrators can prevent unpredictable errors and utilize the bandwidth more effectively.

Efficient Network Monitoring and Management Tools

The MEN-3510 features SNMP and RMON, industry standard management protocols, which give enhanced approaches for real-time traffic analysis, remote monitoring and management of individual switches, this avoids high OPEX with increasing efficiency and performance. The switch is assimilated with intelligent e-mail alarm system and SNMP Trap functionality to detect system abnormality along with faster troubleshooting. In addition to this, the device maintains a system log for the subsequent analysis of abnormal and unwanted flaws.

Redundant Ring for Faster Network Recovery

Even few seconds of missed communications due to link failure can cause inconvenience and recovering it becomes very critical. Considering these threats, the MEN-3510 is designed with various ring protocols like STP, RSTP which provides redundant connectivity that ensures non-stop transmission of real-time Ethernet data.

USB Port - Handy for the low OPEX

- Un-deployed switches upgrade Just power on + Use USB for installation and upgradation
- Connection Lost Use USB for upgradation of switches isolated from the network, to add patch feature to enhance security.
- Independent of devices No need for an extra notebook for installation and upgradation
- System-Config and local Syslog backup

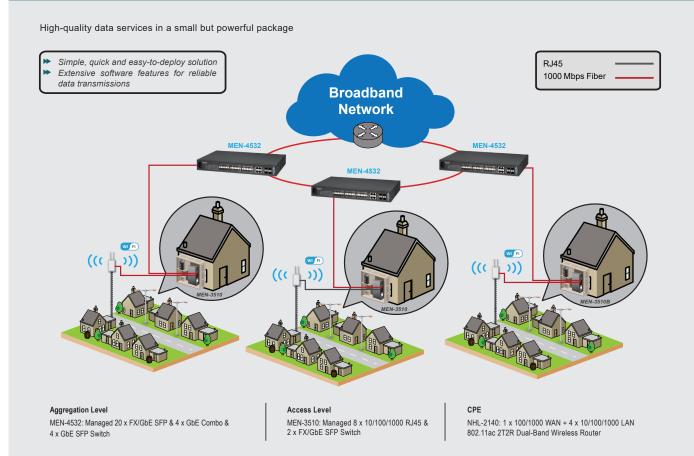




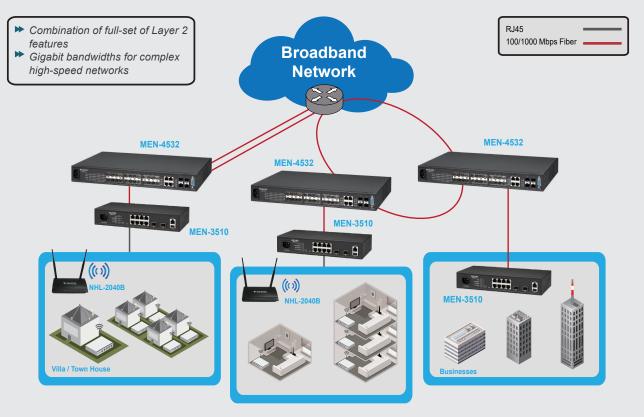
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Applications



Experience superior performance and massive bandwidths that deliver remarkable quality services



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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 802.1ab	LLDP
IEEE 802.1D	STP
IEEE 802.1w	RSTP
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	8 x 10/100/1000BASE-T RJ45 Ports
	2 x 100FX/Gigabit SFP Slots
	1 x RJ45 Console Port
	1 x USB 2.0 Port
LED Panel	PWR, ALARM, POST, 1000, LNK/ACT
Features	
Performance	Jumbo frame Size: 10KBytes
	MAC Table Entries: 8K
	Active VLAN: 256
	Switch Fabric: 20Gbps
	L2 Forwarding Rate: 14.9Mpps
Management	CLI, Telnet/SSH, HTTP, SNMP v1/v2c/v3, SNMP Trap,
	MVLAN, Firmware Upgradable, Configuration Backup/
	Restore, Syslog, SNTP, LLDP, DHCP Client, DHCP
	Option 82, DHCP Relay, e-mail Alarm, Server Control,
	Mirroring, DDM, Dying Gasp (depends)
Reliability	STP/RSTP, Dual Homing, LACP, Code Redundancy
VLAN	IEEE 802.1Q, Port-based VLAN, MAC-based VLAN,
	QinQ
	IGMP snooping/Throttling/Proxy, QoS, Flow Control,
Traffic Control	IGMP snooping/Throttling/Proxy, QoS, Flow Control, Abnormal Traffic Detection, Rate Limit, Storm Control,
Traffic Control	

Features	
Security	ACL, SSH, Port-based 802.1x, Port Security, MAC Search, Static MAC, DHCP Snooping, DHCP Sever Screening, ARP Inspection, BPDU Guard/Filter, Root Guard, Management Host, Switch Lock (depends)
Power	
Input Voltage	Primary inputs : AC 100~240 50~60Hz, 15V DC Power Adapter Redundant inputs : 12V Battery
Power Consumption	10W (System)
Mechanical and En	vironment
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	1.17kg
Dimension (WxHxD)	268x44x128 mm (105.5x17.3x50.4 inch)
Certifications	
Electromagnetic Compatibility	CE Mark FCC Class A EN 55032 (CISRP 32) Class A EN 61000-3-2/3
Ordering Informati	on
MEN-3510	Managed 8 x 10/100/1000 RJ45 & 2 x FX/GbE SFP Switch, w/ Internal AC Power
MEN-3510B	Managed 8 x 10/100/1000 RJ45 & 2 x FX/GbE SFP Switch, w/ Internal AC Power, Battery Charge Function Included
MEN-3510D	Managed 8 x 10/100/1000 RJ45 & 2 x FX/GbE SFP Switch, w/ Internal DC Power
MEN-3510AB	Managed 8 x 10/100/1000 RJ45 & 2 x FX/GbE SFP Switch, w/ External AC Power Adapter, Battery Charge Function Included
Optional Accessori	
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

