

MEN-3406

Managed Layer 2 Access Gigabit Ethernet Switch

4-port 10/100/1000Base-T + 2-slot Gigabit SFP



Description

The MEN-3406 is an entry level access switch which belong to serial products for villages. The Switch is designed to deliver power and reliability in one cost-effective equipment, a scalable and future-proof network solution to fit the network requirements of families and small communities. Providing the ideal combination of affordability and excellent switching capabilities, it helps to create an efficient network at relatively cost effective. Built with powerful chipset and richly equipped with much software features, the switch delivers maximum performance and enables service providers to operate their network more efficiently.

Designed with 4 downlink copper ports that deliver 10/100/1000Mbps speeds, the MEN-3406 is a perfect effective cost solution for service providers who want to offer high-value Ethernet services for low density subscriber base with medium ARPU. Equipped with Dual 100/1000 multi-rate SFP uplinks which can be configured as ring ports to provide link redundancy in gigabit fiber based ring architecture networks, or daisy chain to extend distance.



Features Highlight

Unparalleled Network Performance

Excessive and unnecessary inbound unicast, multicast or broadcast traffic on physical interfaces can degrade your network performance and can even result in complete loss of network service. Storm control and traffic monitor features of the MEN-3406 enables ISPs to effectively monitor and limit incoming traffic to prevent disruption of LAN ports. In addition, Loop detection on the switch identifies loops in the network and disables the relevant ports to avoid loop storms, preventing LAN degradation and achieving maximum network performance. These features along with auto-recovery timer deliver robotic methods to control your network automatically.

Stable and Reliable Device Operations

Abnormal power supply puts extra strain on the components of the switch, wearing it down over time and resulting in increased network downtime. Built with increased level of power supply protection, the MEN-3406 features OCP, OVP and Surge protection to ensure stable and reliable device operations. Surge protector function on each copper port and protects the ports as well as device from surges entering through LAN cables. Even in unstable power conditions, these features of the switch prevent sudden network downtime protecting your infrastructure investments and avoiding unnecessary operational expenditure.



Comprehensive QoS Mechanisms to Assign Priority

Network applications need different levels of services delivered to them reliably without any transmission delays and interruptions. The MEN-3406 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.

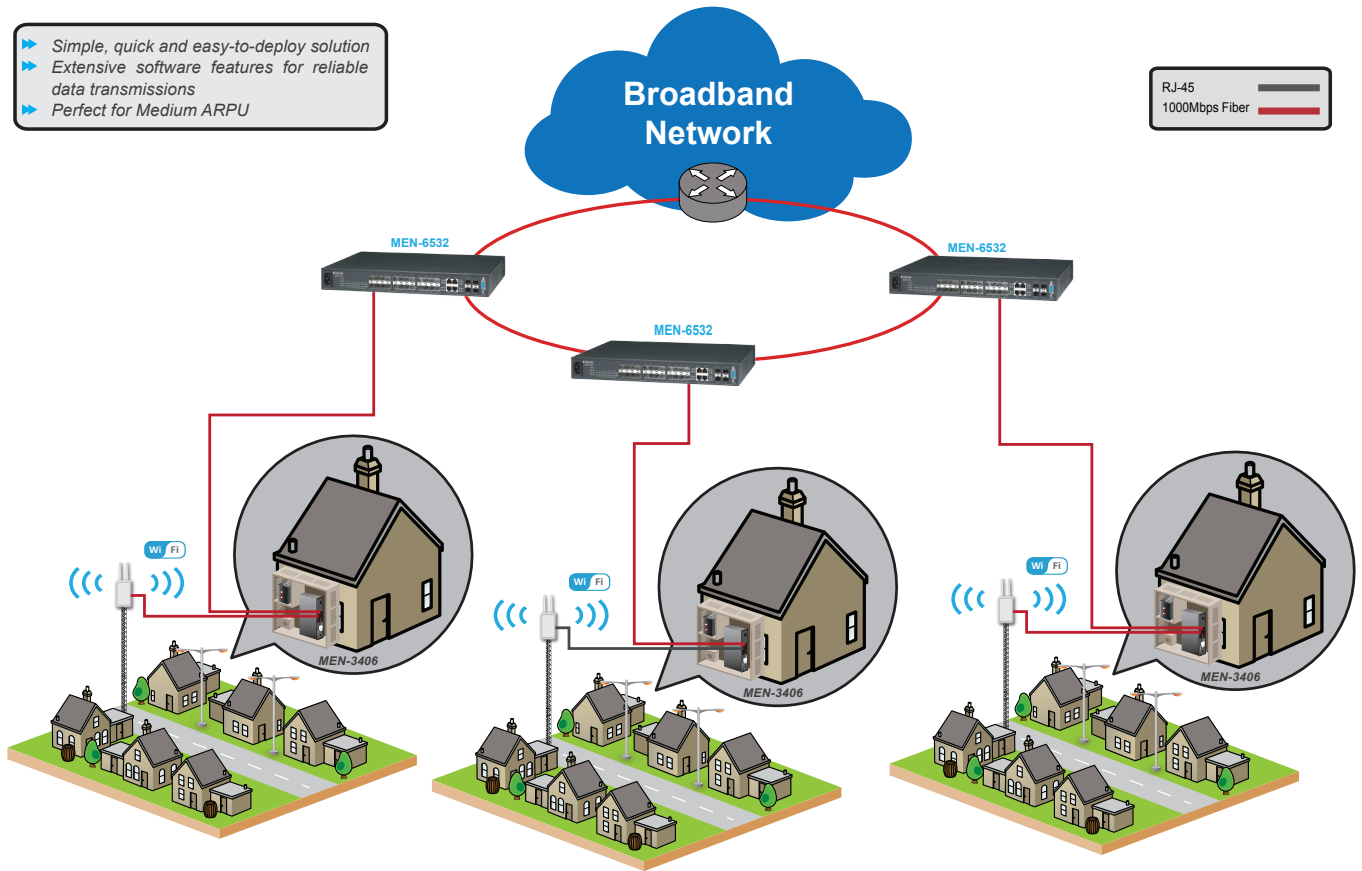
Efficient Network Monitoring and Management Tools

The MEN-3406 features SNMP, an industry standard management protocol, enables administrators to centrally manage and monitor the network, and easily but quickly identify issues that impact network performance. Supported by SNMP traps, the switch allows administrators to monitor unsolicited SNMP trap messages and maintain a helpful network status data for managing a healthy network. And in the event of network malfunction, Email alarm feature of the switch sends email alerts to notify administrator regarding real time network problems. These efficient features speed up and simplify network monitoring and troubleshooting, reducing operational head burden.

Application

High-quality Data services in a small but powerful package

- ▶ Simple, quick and easy-to-deploy solution
- ▶ Extensive software features for reliable data transmissions
- ▶ Perfect for Medium ARPU



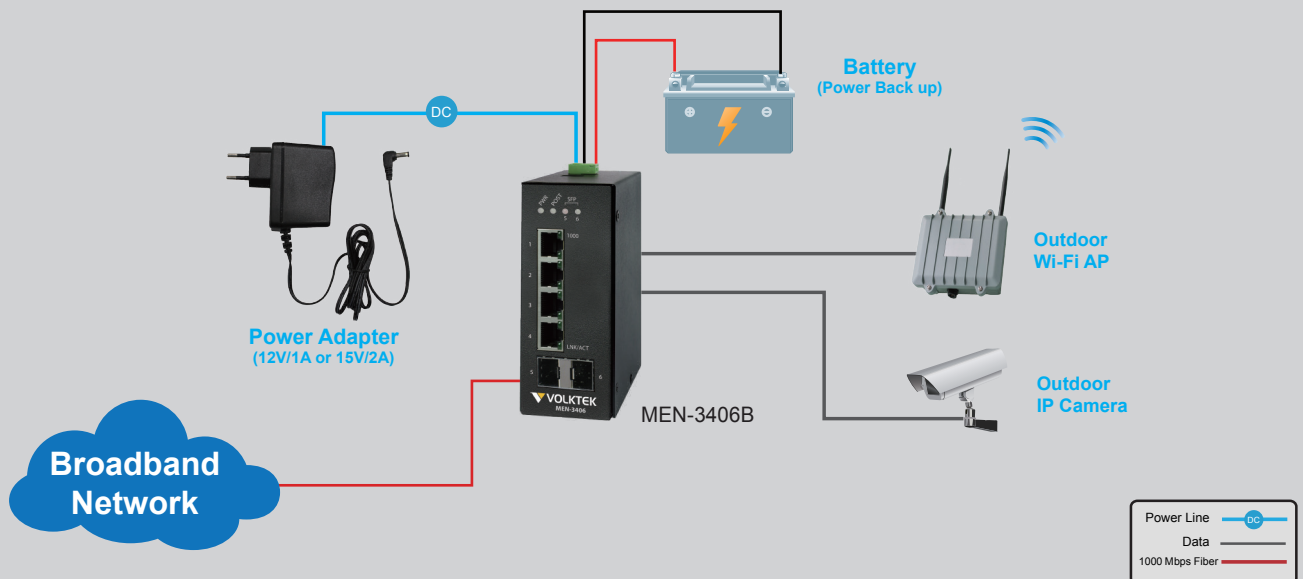
Aggregation Level
 MEN-6532: 24-slot 100FX/Gigabit SFP,
 4 Gigabit Combo ports Managed L2+ Aggregation Switch

Access Level
 MEN-3406: 4-port 10/100/1000Mbps,
 2-slot 100/1000 SFP Managed L2 Access Switch

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Applications

The INS-3406 is compatible with 10/100/1000Mbps through RJ45 transceivers to guarantee a strong, stable connection of Ethernet, Fast Ethernet or Gigabit Ethernet, providing flexible deployment options to satisfy industrial networking requirements






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 802.1d	STP
IEEE 802.1w	RSTP
IEEE 802.3x	Flow Control
IEEE 802.1p	Class of Service
IEEE 802.1q	VLAN Tagging
IEEE 802.3az	Energy Efficient Ethernet
Network Management	
Configuration	Command Line Interface, Telnet, Web GUI, Syslog SNMP v1/v1c, Management VLAN, SNTP, Firmware Upgradable, Configuration Upload/Download
VLAN	IEEE 802.1Q Tag-based VLAN, Port Isolation
Traffic control	IGMP snooping, QoS, Rate Limitation, Storm Control, Port Isolation, STP, RSTP, LLDP
Diagnostics	LED status, SNMP trap, E-mail alarm, SFP DDMI, Port Mirroring, RMON, Port Statistic
Power	
Input Voltage	12V/1A Power Adapter (MEN-3406) 15V/2A Power Adapter (MEN-3406B, MEN-3406BS)
Redundant Power	12VDC Battery Back-up (MEN-3406B, MEN-3406BS)
Power Input Polarity Protection	Present
Power Voltage Drop Alarm	Present
Power Consumption	10W (System) (Without Battery Charger)
Surge Protection	3KV (Line-to-Ground)
Interface	
Ports	2 x 100/1000 SFP 4 x 10/100/1000Base-T

*Specifications subject to change without notice.

Mechanical and Environment	
Housing	Metal Case, IP30
Mounting	DIN-Rail, Wall-Mount (Optional)
Operating Temperature	0°C~60°C
Storage Temperature	-20°C~70°C
Operating Humidity	10 to 80% RH (non-condensing)
Storage Humidity	5 to 90% RH (non-condensing)
Weight	529g
Dimension (WxHxD)	46x116x99.6 mm (1.81x4.57x3.92 inch)
Ordering Information	

	MEN-3406	Managed L2 4-port 10/100/1000, 2-slot 100/1000 SFP Switch, w/ 12VDC Adapter
	MEN-3406B	Managed L2 4-port 10/100/1000, 2-slot 100/1000 SFP Switch, w/ 15VDC Adapter, with Built-in 12VDC Battery Charge
	MEN-3406BS	Managed L2 4-port 10/100/1000, 2-slot 100/1000 SFP Switch, w/ 15VDC Adapter, w/ Console Port, with Built-in 12VDC Battery Charge

Optional Accessories	
MEN-6532	Managed L2+ 24-slot 100FX/GbE SFP, 4GbE Combo Aggregation Switch
FPM-107	100Base-FX Multi-mode SFP, 2Km
FPM-107-30	100Base-FX Single mode SFP, 30Km
GBM-132	100Base-FX Bi-di Single Mode SFP Module, 20Km
GBM-104	1000Base-SX 1.25G, Multi-mode SFP, 500m
GBM-104-2	1000Base-SX 1.25G, Multi-mode, 3.3V, 1310nm, 2Km
GBM-104-10	1000Base-LX 1.25G, Single mode SFP, 10Km
GBM-123	1000Base-LX Bi-di Single Mode SFP Module, 10Km

Dimension

