

MEN-5428

24-port 10/100/1000Base-T + 4-slot
Gigabit SFP Combo Managed
Access Switch



Overview

The MEN-5428 is a high performance advanced switch specifically designed for access layer deployments without compromising on reliability. Most accepted flexible management and monitoring options such as SNMP and RMON are integrated into the switch to increase efficiency and performance of the network. Rich software features, including VLAN capabilities, spanning-tree protocol and port isolation are implemented in the switch so the service providers can offer high value Ethernet services more efficiently and profitably.

The switch is equipped with 24 multi-rate (10/100/1000Mbps) copper ports and 4 Gigabit SFP combo ports to deliver multi-rate transmission speeds that perfectly suit Metro Ethernet network environments. Using its Fiber ports, the MEN-5428 quickly uplinks to the aggregation switches in the network to provide high bandwidth uplinks over variable distances. Thereby, service providers can take advantage of the switch's high port density to offer high speed connectivity to their subscribers and also extend their reach within metro areas.

Features

Network Function

- Code Redundancy
- 802.3ad LACP
- Support of static link trunking
- Spanning Tree Protocol
- Rapid Spanning Tree Protocol
- Support Xpress Ring
- Dual Homing
- Port based Loop Detection with Auto-recovery timer
- IGMP snooping (v1/v2, v3 report)
- MVR

Network Management

- SNMP Trap
- MIB with RMON Group 1,2,3,9
- SNMP v1/ v2c
- SNMP Trap
- Port Mirroring
- DHCP client
- Port-based Mirroring
- RMON (1, 2, 3, 9)

- SNTP
- DHCP Client/relay/option 82
- Support Dying Gasp Trap
- Support Hardware Monitor alarm
- RS-232 console port
- CLI through console port and telnet
- Web-based GUI
- Status display and event report
- Auto-logout timer
- Firmware upgrade by TFTP/HTTP/FTP
- Configuration backup/restore
- Port Management
- Loopback Test
- User self-defined default configuration
- Auto-provisioning

User Security

- DHCP Snooping
- Access Control List (L2/L3/L4)
- Static MAC Forwarding
- MAC Limitation
- ARP Inspection
- Host Denial-of-Service
- SSH
- Port Authentication/Port Security
- Abnormal Traffic Detection
- MAC Anti-Spoofing

Traffic Management and QoS

- 802.1Q Tag-based VLAN
- Port-based VLAN
- Active VLAN support: 4K
- Private VLAN for port isolation
- Management VLAN
- GARP/GVRP support
- 802.1p Priority Queues per port
- Traffic Classification
- Scheduler SP/WRR
- Network Storm Control
- Rate Limitation

Specifications

Standards

IEEE 802.3	10Base-T
IEEE 802.3u	100Base-TX/FX
IEEE 802.3ab	1000Base-T
IEEE 802.3z	1000Base-SX/LX/LHX
IEEE 802.3x	Flow Control
IEEE 802.3ad	Link Aggregation

IEEE 802.3	N-Way Auto Negotiations
IEEE 802.1d	STP
IEEE 802.1w	RSTP
IEEE 802.1p	CoS Prioritization
IEEE 802.1q	VLAN Tagging
IEEE 802.1x	Port Authentication

Power

Input	100 ~ 240V AC 15V DC
12V DC Battery Backup	
Power Consumption	20W

Performance

Switching Fabric	56Gbps
L2 Forwarding	41.7Mpps
Packet Buffer Size	8Mbit
MAC table size	16K
Jumbo Frame size	10K
Throughput	14,880pps to 10Mbps ports 148,800pps to 100Mbps ports 1,488,000pps to 1000Mbps ports

Ports

- 24 x 10/100/1000Base-T (RJ-45)
- 4 x GbE Combo (10/100/1000Mbps RJ45 or 1000Mbps SFP)
- 1 x RS-232 Console (DB-9, female)

Mechanical and Environmental

Operating Temperature	0°C to 50°C
Storage Temperature	-20°C to 70°C
Operating Humidity	10% to 80% RH
Storage Humidity	5% to 90%RH
Dimensions	440x44x180mm (WxHxD)
Weight	2.3kg

Ordering Information

MEN-5428

24-port 10/100/1000Base-T + 4 Gigabit Combo ports
Managed Access Switch