

# MEN-9632

## 24-slot Gigabit SFP + 4 Gigabit Combo Managed L3 Switch



### Overview

The MEN-9632 is a high performance managed SNMP Layer 3 switch that provides users with 24 x 100/1000Mbps Multi-rate in SFP slots and 4 Gigabit Combo ports. The Web/SNMP management provides remote control capability that gives flexible network management and monitoring options. Whether managed through "in-band" SNMP management station, internet web browser, or through "out-of-band" RS-232 console port, the MEN-9632 facilitates network operational control and diagnosis.

### Powerful Aggregation

For increased bandwidth applications, the MEN-9632 can provide 2 trunk groups of 2 member (Combo) ports per trunk or one group of four (Combo) ports. Moreover, these trunk ports are equipped with fail-over function to provide redundant back up if one or more of ports are malfunctioning. It also supports both 802.1Q VLAN and GVRP VLAN Registration thereby simplifying network traffic segmentation, broadcast domain extension and other associated benefits of constructing VLANs. The abundance of features translates into increased efficiency and performance in network administration.

### Specifications

#### Standards

IEEE 802.3u	100Base-FX
IEEE 802.3ab	1000Base-T
IEEE 802.3z	1000Base-SX/LX/LHX
IEEE 802.3ad	Port Trunking
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
IEEE 802.1x	Port-based NAC

#### Ports

24 x 100/1000Base-FX (SFP)  
 4 x GbE SFP Combo  
 4 x 1000Base-T (RJ-45) Combo  
 1 x RS-232 Console (DB-9 female)

#### Performance

Switching fabric 56Gbps  
 L2 Forwarding 41.7Mbps  
 Packet buffer size 16M  
 Max. packet size 13,312 bytes  
 148,800/1,488,000 packets per second (pps) to 100/1000 Mbps ports

#### MAC Table

Up to 16K addresses

#### VLAN

Port-isolated and Tag-based (4KVIDs)

#### Wavelength

Depends on SFP module (see ordering information)

#### Quality of Service

Port-based  
 IEEE 802.1p tag  
 IPv4 ToS/DiffServ  
 source/destination MAC address

#### Maximum Distances

Fiber Optic Up to 110km  
 RS-232 15m

#### Mechanical & Environmental

Power input 100 ~ 240VAC  
 Power usage 40W  
 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

#### Safety & Emissions

FCC Part 15 of Class A & CE Approved  
 EN 60950

#### Dimensions & Weight

440 x 44 x 285 mm (W x H x D)  
 Weight: 4.5kg

#### Warranty

2 years

### Features

#### Basic Features

LACP support  
 Static Port Trunking  
 IGMP Snooping (v1, v2, v3)  
 DHCP relay/client  
 DHCP Snooping  
 Spanning Tree Protocol  
 Rapid Spanning Tree Protocol  
 Multicast VLAN Registration  
 Loop Detection  
 Port-based VLAN  
 VLAN Stacking (Q in Q)\*  
 GVRP Support  
 Network Storm Protection  
 Management VLAN

#### User Security

MAC filtering  
 Port Isolation  
 Port-based Network Access Control  
 SSL/TLS support  
 RADIUS support  
 Port Lock

#### Advanced Features

Host Denial-of-Service  
 Abnormal Traffic Detection\*

#### Traffic Management and QoS

Rate Limitation  
 VLAN Tagging  
 Access Control List L2/L3/L4  
 Weighted Round Robin  
 DSCP/ToS support

#### Network Management

RS-232c local console  
 Telnet CLI  
 SNMP v1, v2c, v3\*  
 Web-based GUI  
 RMON (1, 2, 3, 9)  
 Port Mirroring  
 Firmware upgradeable  
 Configuration backup and restore  
 Port configuration, status and statistics

#### Routing

Static Route\*  
 OSPF\*  
 RIP v1/v2\*  
 VRRP\*