

MEN-9632

24-slot Gigabit Multi-rate SFP
4-Gigabit Combo ports
Managed L3 Aggregation Switch



Overview

The MEN-9632 is a managed high performance L3 Aggregation switch designed with Code Redundancy, Battery Backup and SFP DDMI, and an excellent choice for Metro Ethernet networks. As an aggregation switch, the equipment is built to deliver power, performance and reliability, all in one package to satisfy the needs of high bandwidth. Providing robot performance for quick connection to network using code redundancy feature, in case of firmware upgrade failure, is one of its many cost-effective solutions that preserve your investments.

As the L3 Ethernet switches deployed in large-scale networks such as telecoms, campuses and enterprises need long reach and stability. Considering this, the MEN-9632 is perfectly designed to offer a gigabit solution with its 24 slot 100/1000Mbps multi-rate SFP ports and 4 Gigabit combo ports. In addition, the switch is integrated with advanced software features such as Static Route, Inter-VLAN routing, Dual Homing, Xpress Ring, GARP/GVRP, IGMP filter and combine with LACP, (R)STP, MVR, ACL, QinQ etc., to increase network efficiency and performance. As a result, the subscribers in the network can enjoy faster downloads of large files that require high bandwidth without any hesitation.

Features

Network L2 Function

- LACP/Static Link Trunking Support
- STP/RSTP
- Multicast VLAN Registration
- Loop Detection
- VLAN Stacking (Q in Q)
- GVRP Support
- Network Storm Protection
- SFP DDMI support
- Code Redundancy
- IGMP Proxy/Filter/Snooping
- Xpress Ring
- Dual Homing

Network L3 Function

- Static Route
- Inter-VLAN routing

Network Management

- RS-232c Local Console
- Telnet and CLI
- Web-based GUI
- SNMP v1/v2c
- SNMP Trap

- RMON (1, 2, 3, 9)
- Port Mirroring
- DHCP relay/client
- DHCP option 82
- Private MIB
- Firmware Upgradeable
- Configuration Backup/Restore
- Port configuration, status, statistics

User Security

- MAC Filtering
- Port Isolation
- Static MAC forwarding
- Port Security
- ACL (L2/L3/L4)
- BPDU Filter
- DHCP Snooping
- 802.1x Support
- HDoS
- MAC Anti-spoofing

Traffic Management and QoS

- 802.1Q Tag-based VLAN
- Port-based VLAN
- VLAN Stacking (Q in Q)
- Active VLAN Support 4K
- 8 Hardware Queues
- SP/WRR
- Network Storm Control
- Rate Limiting
- 802.1p/DSCP/ToS Support
- Management VLAN

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 802.3 N-Way Auto Negotiations
- IEEE 802.3x Flow Control
- IEEE 802.3ad Link Aggregation
- IEEE 802.1d Spanning Tree Protocol
- IEEE 802.1w RSTP
- IEEE 802.1p CoS Prioritization
- IEEE 802.1q VLAN Tagging
- IEEE 802.1x Port Authentication
- IEEE 802.1s Multiple STP
- IEEE 802.1v Protocol-based VLAN

Power

- Input Dual AC / Dual 48VDC / AC+48VDC / AC+12VDC Battery
- Power Consumption 55W

Maximum Distances

- Copper 100m
- Console 15m
- SFP Up to 110 Km

Performance

- Switching Fabric 56Gbps
- L2 Forwarding: 41.7Mpps
- MAC Entries: 32K
- Jumbo Frame size 9K
- Packet buffer size 2MBytes
- Throughput 14,880pps to 10Mbps ports
- 148,800pps to 100Mbps ports
- 1,488,000pps to 1000Mbps ports

Ports

- 24 x 100/1000Base-FX/SFP
- 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 440x44x284mm (WxHxD)
- Weight 4.5kg

Ordering Information

MEN-9632

- 24-slot Gigabit Multi-rate SFP
- 4-Gigabit Combo ports
- Managed L3 Aggregation Switch with AC Power Supply

MEN-9632D

- 24-slot Gigabit Multi-rate SFP
- 4-Gigabit Combo ports
- Managed L3 Aggregation Switch with DC Power Supply

MEN-9632R

- 24-slot Gigabit Multi-rate SFP
- 4-Gigabit Combo ports
- Managed L3 Aggregation Switch with Redundant AC Power Supply

MEN-9632DR

- 24-slot Gigabit Multi-rate SFP
- 4-Gigabit Combo ports
- Managed L3 Aggregation Switch with Redundant DC Power Supply