

MEN-5214

12-port 10/100Base-TX + 1-slot Gigabit Multi-rate SFP + 1 100FX Managed Access Switch



Overview

The MEN-5214 is a high performance Managed 12-port 10/100Base-TX + 1-slot Gigabit multi-rate SFP +1 100FX Access Switch with the 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.

At capable of connecting up to 14 network devices at Ethernet, Fast Ethernet or Gigabit Ethernet, the switch is an excellent choice for deployment into the Metro Ethernet network environment. Using its Fiber ports, the MEN-5214 quickly uplinks to the aggregation switches to provide high bandwidth uplinks over variable distances. Thereby, service providers can take advantage to offer high speed connectivity to their subscribers and also extend their reach within metro areas in low operational expenses.

Features

Network Function

- LACP Support
- Static Link Trunking
- Spanning Tree Protocol
- Rapid Spanning Tree Protocol
- MVR
- Loop Detection
- VLAN Management
- IGMP Snooping (v1/v2)
- IGMP v3 report
- VLAN Trunking
- Link Layer Discovery Protocol

Network Management

- RS-232c Local Console
- Telnet, CLI
- SNMP v1, v2c
- SNTP
- Web-based
- MIB, RMON (1, 2, 3, 9)
- Port-based Mirroring
- Firmware Upgradeable Configuration
- Backup / Restore

- Port configuration, status, and statistics
- Status display & event report
- Auto-logout timer
- Loopback Test

User Security

- Limiting number of dynamic address
- Support MAC/Port Binding
- MAC-based Authentication
- Private VLAN for port isolation
- ACL (L2/L3/L4)
- DHCP Snooping
- ARP Inspection
- Host Denial-of-Service
- Port Authentication
- BPDU Guard
- BPDU Filter

Traffic Management and QoS

- Bandwidth control
- Traffic Control
- Port-based VLAN
- Tag-based VLAN
- 4K static VLAN
- Rate Limitation
- 8 Hardware Queues
- SP/WRR
- Storm Control
- 802.3x flow control
- Port-based rate control

Specifications

Standards

- IEEE 802.3 10Base-T
- IEEE 802.3u 100Base-TX/FX
- IEEE 802.3z 1000Base-SX/LX/LHX
- IEEE 802.3x Flow Control
- IEEE 802.3ad Link Aggregation
- IEEE 802.1d STP
- IEEE 802.1w RSTP
- IEEE 802.1p CoS Prioritization
- IEEE 802.1q VLAN Tagging
- IEEE 802.3ah OAM

Power

- Input 100 ~ 240V AC
- 12 ~ 15V DC
- 12V DC Battery Backup
- Power Consumption 11.4W (w/o Bat)

Performance

- Switching Fabric 6.4Gbps
- L2 Forwarding 4.76Mpps

- Packet Buffer Size 12Mbit
- MAC table size 16K
- Jumbo Frame size 9K
- Throughput 14,880pps to 10Mbps ports
- 148,800pps to 100Mbps ports
- 1,488,000pps to 1000Mbps ports

Ports

- 12 x 10/100Base-TX (RJ-45)
- 1 x GbE SFP (Multi-rate)
- 1 x 100Base-FX port
- 1 x RS-232 Console port

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 268x44x128mm (WxHxD)
- Weight 1.2kg

Ordering Information

MEN-5214SC

12-port 10/100, 1 100FX/Gigabit SPF, 1 100FX, SM, 30Km, SC Managed L2+ Switch, w/ AC Power Supply

MEN-5214TS

12-port 10/100, 1 100FX/Gigabit SFP, 1 100FX (TX:1310/RX:1550), SC, 20Km Managed L2+ Switch, w/ AC Power Supply

MEN-5214RS

12-port 10/100, 1 100FX/Gigabit SFP, 1 100FX (TX:1550/RX:1310), SC, 20Km Managed L2+ Switch, w/ AC Power Supply

MEN-5214DSC

12-port 10/100, 1 100FX/Gigabit SPF, 1 100FX, SM, 30Km, SC Managed L2+ Switch, w/ DC Power Supply

MEN-5214DTS

12-port 10/100, 1 100FX/Gigabit SFP, 1 100FX (TX:1310/RX:1550), SC, 20Km Managed L2+ Switch, w/ DC Power Supply

MEN-5214DRS

12-port 10/100, 1 100FX/Gigabit SFP, 1 100FX (TX:1550/RX:1310), SC, 20Km Managed L2+ Switch, w/ DC Power Supply