

MEN-5210PDG

4-port 10/100Base-TX PoE PD + 4-port 10/100 Base-TX + 2-slot Gigabit Multi-rate SFP Managed Access Switch



Overview

The MEN-5210PDG Managed Access Switch is built to be future-proof, equipped with eight 10/100Base-TX (4 ports PoE PD) ports plus two Gigabit multi-rate SFP ports. The MEN-5210PDG is a scalable, cost-effective which designed with SNMP, RMON, flexible network management and monitoring options for increased efficiency and performance. Whether managing from an 'in-band' SNMP management station or Internet web browser, or 'out-of-band' on the RJ45 console port, the MEN-5210PDG makes network monitoring and troubleshooting easy.

The MEN-5210PDG is a feature-rich switch, offering VLAN capabilities, spanning tree protocol, port isolation, and much more. Once installed at any demarcation point, the MEN-5210PDG immediately uplinks to the aggregation switches via its SFP slots, which provide high-bandwidth uplinks over variable distances. The high port density in a small device offers unparalleled value in a compact package.

Features

Network Function

- LACP Support
- Static Link Trunking
- Spanning Tree Protocol
- Rapid Spanning Tree Protocol
- MVR
- GVRP
- Loop Detection
- VLAN Management
- IGMP Snooping (v1/v2)
- IGMP v3 report
- DHCP Client
- Dying Gasp
- VLAN stacking (QinQ)
- VLAN Trunking
- Link Layer Discovery Protocol
- SFP DDMI Support

Network Management

- Local Console
- Telnet, CLI
- SNMP v1, v2c
- SNMP Trap
- SNTP

- Web-based
- MIB, RMON (1, 2, 3, 9)
- RMON Statistics
- Volktek Common MIB
- Port-based Mirroring
- Firmware Upgradeable Configuration
- Backup / Restore
- Port configuration, status, and statistics
- Status display & event report
- Auto-logout timer
- Auto-provisioning
- Loopback Test

User Security

- Static address filtering
- Static address forwarding
- Limiting number of dynamic address
- Support MAC/Port Binding
- MAC-based Authentication
- MAC Limitation
- Private VLAN for port isolation
- 802.1x Support
- ACL (L2/L3/L4)
- DHCP Relay/option82
- DHCP Snooping
- DHCP Server Screening
- 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
- DSCP/Tos Support
- 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 802.3	N-Way Auto Negotiations
IEEE 802.1d	STP
IEEE 802.1w	RSTP
IEEE 802.1p	CoS Prioritization
IEEE 802.1q	VLAN Tagging
IEEE 802.1ad	LLDP
IEEE 802.1x	Port Authentication

Power

Input	100 ~ 240V AC
	12 ~ 15V DC
12V DC Battery Backup	
Power Consumption	26W (w/Bat)

Performance

Switching Fabric	5.6Gbps
L2 Forwarding	4.16Mpps
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

- 4 x 10/100Base-TX (RJ-45)
- 4 x 10/100Base-TX PoE PD (RJ-45)
- 2 x GbE SFP (Multi-rate)
- 1 x RJ-45 Console

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

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