

Product Overview



PM232GM V1 is all-gigabit managed Switch with 24 all-gigabit SFP fiber module slots and 4 gigabit combo ports. Provides high performance, enterprise-class QoS, advanced security policies

and rich network managed features. Use advanced features, this switch is powerful and flexible enough to deploy wireless access points or IP-based network surveillance cameras for users. It is an ideal choice for WIFI coverage, office, Internet bar, computer room and so on.

Product Features

- Complies with IEEE802.3U, IEEE802.3AB, IEEE802.3Z, and IEEE802.3X standards.
- Monitor the working state with panel lights and assist in fault analysis;
- Supports Ethernet energy saving (EEE) (IEEE802.3AZ).
- Supports IEEE802.3x full-duplex flow control and Backpressure half-duplex flow control.
- High reliability design, support the traditional STP/RSTP layer 2 link protection technology;
- Supports manual aggregation and dynamic aggregation, effectively increasing link bandwidth, improving link reliability, load balancing, and link backup.
- Flexible management and maintenance supports multiple management modes, such as Console, Telnet, and SSH
- Support WEB management, more simple and efficient, easy installation and debugging of engineering and maintenance personnel;
- Supports file upload and download management through TFTP.

Product Specifications

Hardware Specification

Model	PM232GM V1
Standard	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3x, IEEE 802.1X, IEEE 802.1q, IEEE 802.1p, IEEE 802.1d, IEEE 802.1w, IEEE 802.3ad
Interface	24*1000Mbps SFP Slots 4G*Combo 1*Console Port
Indicator	PWR, LNK/ACT, SYS
Network media	10BASE-T: UTP category 3, 4, 5 cable(≤100m) 100BASE-TX: UTP category 5, 5e cable(≤100m) 1000BASE-T: UTP category 5e, 5 cable(≤100m) 1000BASE-X: MMF, SMF
MAC Address Table	16K, Auto-learning, Auto-aging
Jumbo Frame	12KBytes
Transfer Mode	Store-and-forward
Packet Forward Speed	41.66Mpps
Switching Capacity	56Gbps
Packet buffer	12Mbit
Dimensions(L*W*H)	441.5*207*44.4mm
Fan Quantity	1
Green energy saving	IEEE 802.3az
Surge Protection	Different mode±2KV common mode±4KV
Electrostatic standard	Contact±6KV, air±8KV
Input Power Supply	36-72V/DC
Operating Temperature	0°C ~ +40 °C
Storage Temperature	-40 °C ~ +70 °C
Operating Humidity	10% ~ 90% non-condensing
Storage Humidity	5% ~ 90% non-condensing
MTBF	>100000 hour

Software Function List

spanning Tree	IEEE 802.1D -Spanning Tree	
	IEEE 802.1w -Rapid Spanning Tree	
	IEEE 802.1s -Multiple Spanning Tree	
	BPDU Guard	
	STP Root Guard	
	Loop Detection	
VLAN	Management VLAN	
	Private VLAN	
	Voice VLAN	
	Surveillance-VLAN	
	Q-in-Q (Double Tag)	
	802.1v Protocol VLAN	
	MAC-Based VLAN	
Port	IEEE 802.3ad witch LACP(Dynamic)	
	Static Trunk	
	EEE	
	Jumbo Frame	
	Error-Disable	
IGMP Snooping	IGMP Snooping v1/v2/v3	
	MLD Snooping v1/v2	
	MVR	
QoS Features	Hardware Queues	
	Class of Service	Port Based
		802.1p
		CoS
		DSCP
		IP Precedence
TCP/UDP (IPv4/IPv6)		

	Rate Limiting	Ingress
		Egress
	Priority Queue Scheduling	WRR
		Strict Priority
		DSCP & CS
	IPv4 QoS (QCEs)	
IPv6 QoS (QCEs)		
Security	Port Security	
	Port Isolation	
	IEEE802.1x AAA	
	ACLs	L2+/L3/L4
		IPv6 Support
		Management Access List
	Management ACL/Management ACE	
	IP Source Guard (IP-MAC-Port-VALN Binding)	
	IP Source Guard (IP-MAC-Port Binding)	
	Dynamic ARP Inspection	
	Storm Control	
	RADIUS/TACACS+	
	RADIUS Authentication (RFC2138)	
	DDoS Prevention	
	HTTPs and SSL (Secured Web)	
	SSH v1.5/v2.0 (Secured Telnet Session)	
DHCP Snooping		
DHCP Relay		
Management	SNMP (v1, v2c, v3)	
	RMON (1, 2, 3 & 9 groups)	
	Software Upgrade	

Configuration Export/Import	
DHCP	Client
	Option 82
	Option 66
	Option 67
Event/Error Log	Syslog
Management Access Filtering	Console
	SNMP
	HTTP/HTTPS
	Telnet
Port Mirroring	
LLDP (IEEE802.1AB)	
LLDP-MED	
UDLD	
DNS Client	
Traceroute	
Ping	
Cable Test	
DDMI	
NTP/ SNTP (RFC2030)	
IPv6 Support	Dual IPv6/IPv4 stack
	IPv6 Web/SSL
	IPv6 SNTP (Simple Network Time Protocol)
	IPv6 Telnet / SSH
	IPv6 Ping/Trace route
	IPv6 TFTP
	IPv6 RADIUS/TACACS+
	IPv6 SNMP

ONVIF	ONVIF Detection
	ONVIF Server (NLM)

Ordering information

Model	product information
PM232GM V1	24G SFP+4G Combo Managed Switch