

Product Overview



PM112GM V1 is a management switch independently developed by Uniop, with 8 10/100/1000Mbps adaptive RJ45 ports and 2 optical multiplexing ports. Supports static routing, provides complete security policies, QoS policies, and diversified VLAN functions, and is easy to manage and

maintain, meeting the networking and access requirements of enterprises, communities, Internet cafes, hotels, office networks, and campus networks.

Product Features

- Complies with IEEE802.3, IEEE802.3U, IEEE802.3AB, IEEE802.3Z, IEEE802.3X standards:
- RJ45 supports automatic port flip (Auto MDI/MDIX):
- Supports IEEE802.3x full-duplex flow control and Backpressure half-duplex flow control:
- Panel indicators monitor working status and assist in fault analysis:
- Perfect security mechanism:
- Galvanized steel metal shell design, excellent heat dissipation, to ensure stable operation of products:
- High reliability design, supporting traditional STP/RSTP layer 2 link protection technology;
- Supports manual aggregation and dynamic aggregation, which increases link bandwidth, improves link reliability, and implements load balancing and link backup.
- Flexible and convenient management and maintenance Supports various management modes, such as Console, Telnet, and SSH.
- Supports WEB management, which is simple and efficient, and facilitates installation and debugging by engineering and maintenance personnel. Supports file upload and download management through TFTP.

Product Specifications

Hardware Specification

Model	PM112GM 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	8*10/100/1000Mbps RJ45 Ports 2*10/100/1000Mbps Combo ports 1*Console Port
Indicator	PWR, LNK/ACT
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	8K, Auto-learning, Auto-aging
Jumbo frame	10000Bytes
Packet buffer	4.1Mbit
Transfer Mode	Store-and-forward
Packet Forward Speed	14.88Mpps
Switching Capacity	24Gbps
Dimensions(L*W*H)	280*180*44mm
Power supply	130W
Green energy saving	IEEE 802.3az
Input Power Supply	AC 100-240V 50/60Hz
Operating Temperature	0°C ~ +40°C
Storage Temperature	-40 °C ~ +70 °C
Operating Humidity	10% ~ +90% non-condensing
Storage Humidity	5% ~ +90% non-condensing
Surge Protection	Differential mode ±2KV Common mode ±4KV
MTBF	>50000 hours
Electrostatic standard	Contact±6KV, Air±8KV

Software Specification

Spanning Tree	IEEE 802.1D -STP	
	IEEE 802.1w -RSTP	
	IEEE 802.1s -MSTP	
	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	LACP	
	Static	
	EEE	
	Jumbo Frame	
	Error-Disable	
IGMP Snooping	IGMP Snooping v1/v2/v3	
	MLD Snooping v1/v2	
	MVR	
L3	Static Route	
	Static ARP	
	DHCP Server	
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 ACL	
		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	IPv6/IPv4
	IPv6 Web/SSL
	IPv6 SNTP
	IPv6 Telnet/SSH
	IPv6 Ping/Traceroute
	IPv6 TFTP
	IPv6 RADIUS/TACACS+
	IPv6 SNMP
ONVIF	ONVIF Deteciton
	ONVIF Server(NLM)

Ordering information

Model	Product information
PM112GM V1	8GE+2G Combo+1Console Ethernet Managed Switch