

## Product Overview



PM110GM V2 is all gigabit managed switch, with 8\*10/100/1000Mbps RJ45 port and 2 Separate gigabit SFP fiber optic module expansion slot. Using store-and-forward technology, combined with dynamic memory allocation, to ensure the effective bandwidth allocated to each port, support static routing capabilities, to provide complete security policy,

improve the QoS strategy and plenty of VLAN function, easy to maintenance management, satisfy the business enterprise, village, hotel, office network and campus network of the network and access requirements.

## Product Features

- Support RJ45 Auto-MDI/MDIX;
- Flow Control for Full Duplex operation and back pressure for Half Duplex Operation;
- Support Energy-Efficient Ethernet (EEE) function (IEEE802.3az);
- Supports a complete lineup of L2 features, including 802.1Q tag VLAN, Port Mirroring, STP/RSTP/MSTP, Link Aggregation Control Protocol and 802.3x Flow Control function;
- Web, CLI (Console Port, Telnet, SSH), SNMP and RMON bring abundant management policies;

## Product Specifications

### Hardware Specification

<b>Model</b>	PM110GM V2
<b>Standard</b>	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
<b>Interface</b>	8*10/100/1000Mbps RJ45 Port (Auto Negotiation/Auto MDI/MDIX) 2* 1000Mbps SFP Slots 1 Console Port
<b>Indicator</b>	PWR(Green), LNK/ACT(Green)
<b>Network media</b>	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) 100BASE-FX: MMF, SMF 1000BASE-X: MMF, SMF
<b>MAC Address Table</b>	8K, Auto-learning, Auto-aging
<b>Jumbo frame</b>	10000Bytes
<b>Transfer Mode</b>	Store-and-forward
<b>Packet buffer</b>	4.1Mbit
<b>Packet Forward Speed</b>	14.88Mpps
<b>Switching Capacity</b>	20Gbps
<b>Dimensions(L*W*H)</b>	280*180*44mm
<b>Green energy saving</b>	IEEE( 802.3az)
<b>Input Power Supply</b>	100-240V AC 50/60Hz
<b>Output Power supply</b>	12V/1.2A
<b>Operating Temperature</b>	0°C ~ 40 °C
<b>Storage Temperature</b>	-40 °C ~ 70 °C
<b>Operating Humidity</b>	10% ~ 90% non-condensing
<b>Storage Humidity</b>	5% ~ 90% non-condensing

## Software Specification

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	
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 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/Traceroute
	IPv6 TFTP
	IPv6 RADIUS/TACACS+
	IPv6 SNMP
PoE Management	Port Config
	Alive Checking for PD
	PoE Delay
	PoE Schedule
ONVIF	ONVIF Detection
	ONVIF Server (NLM)

**Ordering information**

<b>Model</b>	<b>Product information</b>
<b>PM110GM V2</b>	8-Port Gigabit+2G SFP Uplink Managed switch