

Product Overview



The PM3010GSM V5 provides 8*10/100/1000Mbps RJ45 ports that supports 802.3af/at Standard, with a total PoE power supply up to 140W, powerful and flexible enough for users to deploy wireless access points or IP-based network surveillance cameras. The switch also comes equipped with 2*1000Mbps SFP slots, expanding your network flexibly. In addition, it provides high performance, enterprise-level QoS, advanced security strategies and rich layer 2 management features. With all these advanced features, the PoE Switch is an ideal choice for small and medium business networking.

Product Features

- Complies with IEEE802.3af/at Standard;
- Support RJ45 Auto-MDI/MDIX;
- Supports PoE Power up to 30W for each PoE port;
- Auto detect power device;
- PoE, main board and power supply are all in one:
- Remote power and Data feeding up to 100m;
- Flow Control for Full Duplex operation and back pressure for Half Duplex Operation;
- Support Energy-Efficient Ethernet (EEE) function (IEEE802.3az);
- Highly reliable design, supporting traditional STP/MSTP/RSTP Layer 2 link protection technology;
- Support static convergence and dynamic convergence (LACP) 2 convergence modes, effectively increase the link bandwidth, improve the reliability of the link, and at the same time can achieve load balancing, link backup;
- Web, CLI (Console Port, Telnet, SSH), SNMP and RMON bring abundant management policies;
- Support PD-ALIVE function.

Product Specifications

Hardware Specification

Model	PM3010GSM V5	
Interface	8*10/100/1000Mbps RJ45 Port (Auto Negotiation/Auto MDI/MDIX) 2*1000Mbps SFP Slots 1 Console Port	
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, IEEE802.3af, IEEE802.3at	
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	
Indicator	PWR, LNK/ACT, PoE, SYS	
MAC Address Table	8K, Auto-learning, Auto-updating	
Jumbo Frame	9216Bytes	
Packet Buffer	4.1Mbit	
Transfer Mode	Store-and-forward	
Packet Forward Speed	14.88Mpps	
Switching Capacity	20Gbps	
PoE Port	Port1~8	
PoE Power On RJ45	1/2(+), 3/6(-)	
PoE Power Output	Voltage: 55V Power: 30W(MAX)	
PoE Power Budget	140W	140W Fanless(optional)
Power Supply	150W	150W Fanless(optional)
Input Power Supply	100~240V AC, 50/60Hz	
Fan Quantity	1	Fanless(optional)
Dimensions(L*W*H)	280*180*44mm	
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	Common mode ±4KV Differential mode ±2KV:	
MTBF	>50000 hour	
Electrostatic Standard	Contact ±6KV, Air ±8KV	
Green Energy Saving	Support IEEE (802.3az)	

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		
	Trace route		
	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
PoE Management	Port Config
	Alive Checking for PD
	PoE Delay
	PoE Schedule
ONVIF	ONVIF Detection
	ONVIF Server (NLM)

Ordering Information

Model	Product Information
PM3010GSM V5	8-Port Gigabit+2G SFP Managed PoE Switch (8-Port PoE, Support 802.3af/at Standard)