



Product Overview

The PM6030GSM V1 provides 24*10/100/1000Mbps RJ45 ports, 2G Combo ports and 2G SFP ports, port1-24 is PSE Port, this conforms to IEEE802.3af/at/bt standard. And each RJ45 port supports MDI/MDIX automatic flip and wire speed forwarding functions. Among them, port1-8 support IEEE802.3bt standard output.

Powerful and flexible enough for users to deploy wireless access points or IP-based network surveillance cameras. The switch also comes equipped with 2 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/bt Standard, port 1-8 support 90W max, PoE total Budget 480W.
- Support RJ45 Auto-MDI/MDIX;
- Auto detect power device;
- 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)
- 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;
- Support PD Alive function(the switch port is disconnected will automatically connected);

Product Specifications

Hardware Specification

Model	PM6030GSM 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 IEEE802.3af, IEEE802.3at, IEEE802.3bt
Interface	24*10/100/1000Mbps RJ45 Port (Auto Negotiation/Auto MDI/MDIX) 2*10/100/1000Mbps Combo ports 2* 1000Mbps SFP Slots 1 Console Port
Indicator	PWR, LNK/ACT, PoE, 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	8K, Auto-learning, Auto-aging
jumbo frame	9216Bytes
Transfer Mode	Store-and-forward
Packet Forward Speed	41.66Mpps
Switching Capacity	56Gbps
Packet Buffer	4.1Mbit
Dimensions(L*W*H)	440*207*44mm
Fan Quantity	2
PoE Port	Port1~24(Port1-8support IEEE802.3bt)
PoE Power on RJ45	Port1-8 Support 4Pairs power lines: 1/2 (-),3/6 (+) and 4/5 (+)/7/8 (-) Port9-24 Support 2Pairs power lines: 1/2 (-), 3/6 (+)
PoE Power Output	Voltage: 55V DC Power: port1-8: 90W(MAX), port9-24: 32W (MAX)
PoE Power Budget	480W
Power supply	500W
Input Power Supply	100~240V AC, 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	Common mode ±6KV Differential mode ±4KV;
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 SpanningTree
	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 Deteciton
	ONVIF Server(NLM)

Ordering information

Model	product information
PM6030GSM V1	24-Port Gigabit+2G Combo+2G SFP+1Console Managed High PoE switch(24-Port PoE, Port1-8 Support 802.3af/at/bt Standard, Port9-24 Support 802.3af/at Standard)