

Product Overview



PM3012GSM V3 is a management Ethernet PoE switch independently developed by UNIPOE. It provides eight 10/100/1000M adaptive RJ45 ports and two 10/100/1000M + two SFP optical fibers for communication. All RJ45 ports support PoE power supply. Each port can be up to 32W. Supports static routing, complete security policies, QoS policies, and rich VLAN functions.

It is easy to manage and maintain, and meets the networking and access requirements of enterprises, residential areas, Internet cafes, hotels, office networks, and campus networks.

Product Features

- Support IEEE802.3 at standard, compatible with IEEE802.3 af electrical equipment (PD);
- RJ45 support port auto flip (Auto MDI/MDIX);
- Each port output power up to 32W;
- Data transmission and power supply distance up to 100 meters;
- Support IEEE802.3 x full duplex flow control and Backpressure half duplex flow control;
- Panel lights to monitor working state and help fault analysis;
- Perfect security mechanism:
- Galvanized steel metal shell design, excellent heat dissipation, to ensure the stable operation of products;
- Support L2 STP/RSTP link protection technology;
- Support manual convergence and dynamic convergence of two convergence modes, effectively increase the link bandwidth, improve the reliability of the link, and can achieve load balancing, link backup;
- Support Console, Telnet, SSH grade many management methods;
- Support WEB and file upload and download management in TFTP mode;
- Supports the watchdog function. When a PoE camera is disconnected, the system automatically detects and restarts, effectively reducing system maintenance costs;
- Mainboard, Power supply, PoE (three in one)

Product Specifications

Hardware Specification

Model	PM3012GSM V3
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
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
Interface	8 *10/100/1000Mbps PoE RJ45 port 2 *10/100/1000Mbps RJ45 port +2 * SFP port 1 *Console port
PoE port	Port 1 ~ 8
PoE Power on RJ45	Mode A 1/2(+), 3/6(-)
Indicator	PWR(Green) , LNK/ACT(Green) , PoE(Orange)
MAC Address Table	8K, Auto-learning, Auto-aging
Jumbo frame	10K Bytes
Transfer Mode	Store-and-forward
Packet Forward Speed	17.85Mpps
Packet buffer	4.1Mbit
Switching Capacity	24Gbps
Dimensions(L*W*H)	280*180*44mm
PoE Power Output	DC 55V 32W(MAX)
PoE total power	130W
Power supply	150W
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 -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
PM3012GSM V3	8GE(PoE)+ 2GE+2*SFP Ethernet Managed PoE Switch (8-port PoE, 802.3af/at)