

## Product Overview



The PM218GM V1 provides 8\*1000Mbps SFP Slot and 2G SFP Slots+ 8\*10/100/1000Mbps RJ45 ports, powerful and flexible enough for users to deploy wireless access points or IP-based network surveillance cameras. The switch also comes equipped with 2G 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 Switch is an ideal choice for WIFI coverage, Internet cafes, computer rooms, and so on.

## Product Features

- Panel lights to monitor working state and help fault analysis;
- 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>	PM218GM V1
<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*1000Mbps SFP Slots 2G SFP Slots + 8*10/100/1000Mbps RJ45 ports
<b>Indicator</b>	PWR, LNK/ACT, SYS
<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) 1000BASE-X: MMF, SMF
<b>MAC Address Table</b>	8K, Auto-learning, Auto-aging
<b>jumbo frame</b>	9216Bytes
<b>Transfer Mode</b>	Store-and-forward
<b>Packet Forward Speed</b>	40.56Mpps
<b>Switching Capacity</b>	56Gbps
<b>Packet Buffer</b>	4.1Mbit
<b>Dimensions(L*W*H)</b>	280*180*44mm
<b>Fan Quantity</b>	Fanless
<b>Green energy saving</b>	IEEE 802.3az
<b>Surge Protection</b>	Different mode±4KV common mode±6KV
<b>Electrostatic standard</b>	Contact 6KV, air 8KV
<b>Input Power Supply</b>	12V/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
<b>MTBF</b>	>100000 hour

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	
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
ONVIF	ONVIF Deteciton
	ONVIF Server(NLM)

## Ordering information

<b>Model</b>	<b>product information</b>
PM218GM V1	8G SFP + 8GE + 2G SFP Fiber Managed Switch