

Product Overview



The PM3052GSM V1 is a fully Gigabit 3-layer Managed PoE Switch independently developed by UNIPOE. It provides 48*10/100/1000Mbps RJ45 ports, 4*1000Mbps SFP optical module expansion slots, and one Console port. All RJ45 ports from 1-48 support PoE power supply for each port up to 30W, and

also static routing function. It provides fully thoughtful security strategies, complete QoS policies, and abundant VLAN functions, while is quite easy enough to be managed and maintained, perfectly meeting the network building up and accessing requirements from enterprises, communities, hotels, office networks, and campus networks.

Product Features

- Complies with IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.3x, IEEE802.3af, IEEE802.3at standards.
- RJ45 Supports automatic port flip (Auto MDI/MDIX);
- PoE supports IEEE 802.3at/af standards and provides a maximum output of 30W for each port;
- Data transmission and power supply distance is 100 meters;
- Supports IEEE802.3x full-duplex flow control and Backpressure half-duplex flow control;
- Panel indicators monitor working status and assist in fault analysis;
- Perfect security mechanism;
- High reliability design, supporting traditional STP/MSTP/RSTP layer 3 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;
- Flexible and convenient management and maintenance Supports various management modes, such as Console, Telnet, and SSH;
- Supports WEB management, which is simple and efficient, and facilitates installation and debugging by engineering and maintenance personnel;
- Supports file upload and download management through TFTP.

Product Specifications

Hardware Specification

Model	PM3052GSM 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	
Interface	48*10/100/1000Mbps RJ45 Ports 4*1000Mbps SFP Slots 1 Console Port	
Indicator	PWR, LNK/ACT, PoE	
Network Media	10BASE-T: Cat 3、 4、 5 unshielded twisted pair cables (≤100m) 100BASE-TX: Cat 5 and over, unshielded twisted pair cable (≤100) 1000BASE-T: Cat 5 and over, unshielded twisted pair cable (≤100m) 100BASE-FX: MMF, SMF 1000BASE-X: MMF, SMF	
MAC Address Table	16K, Auto-learning, Auto-update	
Jumbo Frame	12KBytes	
Packet Buffer	12Mbit	
Transfer Mode	Store-and-forward	
Packet Forward Speed	77.38Mpps	
Switching Capacity	104Gbps	
PoE Port	Port1~48	
PoE Power on RJ45	Mode A 1/2 (+) , 3/6 (-)	
PoE Power Output	Voltage: 55V DC Power: 30W (MAX)	
PoE Power Budget	500W/110VAC	600W/220VAC
Power Supply	800W	
Dimensions(L*W*H)	440*330*44mm	
Fan	4pcs	
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 ±2KV Differential mode ±1KV;	
MTBF	>50000 hour	
Electrostatic Standard	Contact ±6KV, Air ±8KV	

Software Specification

L2 Features	MAC Address Table	MAC Address Size
		MAC Aging Time
		MAC Filter
		MAC Notification
	Basic Management	Console/Telnet/SSH
		Http/Https、SSL/TLS
		FTP/TFTP
		Syslog
		SNMP(v1/v2c/v3)、SNMP Trap
		SNTP/NTP
		CPU protect
		Software/Hardware watchdog
		Firmware Upgrade/Backup
		Ping/Traceroute
		Port Config
	Flow Control	
	EEE	
	MTU	
	CFM (802.1ag)	
	EFM OAM (802.3ah)	
	DDM	
	Storm Control	
	Port Isolation	
	Port Security	
	Virtual Cable Test	
	ULDP/Cisco UDLD	
	Discovery	LLDP (802.1ab)
		LLDP-MED
	Link Aggregation	Static
		LACP (802.3ad)
		Load Balance (src-mac/dst-mac/src-ip/dst-ip)
		Max groups and ports per group
	VLAN	VLAN (802.1Q 4K)
		Access/Trunk/Hybrid
		Private VLAN
		VLAN Filter
		MAC-based VLAN
		Protocol-based VLAN
		IP Subnet-based VLAN
		Voice VLAN
		GVRP/GMRP
		QinQ/Selective-QinQ/Flexible QinQ
		VLAN Translation/N:1 VLAN Translation
		Guest VLAN
Network Loop Detection		Loopback Detection
	ERPS	
Spanning Tree	STP/RSTP/MSTP	
	MSTP Support 64 instance	
	BPDU Guard/Root Guard/BPDU Tunnel	
ARP	Static ARP	
	ARP Scanning Prevention	
	ARP Spoofing Prevention	
	ARP Guard	
	Gratuitous ARP	
	Dynamic ARP Inspection	

IPv4 Related Function	ICMP	ARP Quantity Control
		Anti ICMP Attack
		ICMP Rate Limit
		ICMP Unreachable Drop
	IP Forward	Static Route
		Route Aggregation
	Control Multicast	DCSCM
	Multicast VALN	Multicast VALN
	IGMP	IGMP SNOOPING V1/V2/V3
		Fast Leave
		IGMP Proxy
	DHCP	DHCP Server
		DHCP Client/BOOTP
		DHCP Relay
DHCP Snooping		
DHCP Option 82/43/60/61/67		
IPv6 Related Function	IPv6 Basic	IPv6 ND Snooping
	DHCPv6	DHCPv6 Server
		DHCPv6 Relay
		DHCPv6 Snooping
		IPv6 SAVI
		Security RA
	IPv6 Unicast Routing	Static Route
	IPv6 Multicast Routing	MLD v1/V2 Snooping
	IPv6 Features	SNMP over IPv6 Support
		HTTP over IPv6 Support
		SSH over IPv6 Support
		DNS over IPv6 Support
		IPv6 ping/traceroute Support
		IPv6 Telnet Support
		IPv6 Radius+ Support
		IPv6 Tacacs+ Support
		IPv6 SNTP/NTP Support
		IPv6 FTP/TFTP Support
	IPv6 IPSec Support	
	IPv6 ACL	
QoS(Quality Of Service)	Basic	Trust COS/DSCP
		Trust Port
	Scheduling	SP
		WRR
		WDRR
	PolicyMap Stream	Based on VLAN
		Based on COS/DSCP
		Aggregate PolicyMap
		Ingress PolicyMap
	Policing	CAR Stream Shaping (leak algorithm)
		Ingress Policing
	Rewrite	COS/802.1p Priority
		IP Precedence
		IPv4 DSCP/IPv6 DSCP
		drop-precedence
		internal-priority
	Ingress/Egress Rewrite	
	Queuing	DSCP to DSCP mapping
		DSCP to DP mapping
		DSCP to Queue mapping

		COS to DP mapping
		COS to Queue mapping
ACL	IP-ACL	SIP/DIP
		IP Protocol
		IP Priority (DSCP,TOS, Precedence)
		TCP,UDP src, dst Port
	MAC-ACL	SRC/DST MAC
		VLAN
		COS
		Tag/Untag
	IP-MAC ACL	MAC-ACL and IP-ACL
User-defined ACL	Based on user-defined profile	
ACL Features	Based on time period ACL	
	ACL on VLAN	
	Based on ACL Stream	
Security	802.1x	Port Based Authentication
		Support EAPoR
		MAC based Authentication
		Guest VLAN
	MAB	Based on Port Authentication
		Based on MAC Authentication
	MAC Address Count Limit	Based on Port
		Based on VLAN
	IP Address Count Limit	Based on Port
		Based on VLAN
	Access Management	Based on source mac and IP address
	Deny DoS Attack	TCP Flag
		TCP Fragment
		IP Segment
ICMP		
TACACS+	Standard Support	
Radius	Standard Support	
	Client, Support MD5	
SSL	Openssl 1.1.0	
Redundancy Related Function	MRPP	Compatible ERRP
	ULPP	Uplink Protection Protocol
		Smart Link/Monitor Link
ULSM	Uplink State Monitor	
Flow Monitor Function	Mirror	Support one-to-one, multi to one
		Port based mirror, support ingress, egress, and both
		CPU based mirror
		Flow based mirror
		RSPAN
PoE	PoE Management	ON/OFF Config
		Alive Checking for PD
		7/24 On/Off Scheduling

Ordering Information

Model	Product Information
PM3052GSM V1	48GE+4G SFP Managed PoE Switch