

Product Overview



PM128GTM V2 is a 24 gigabit RJ45 port and 4 independent 10 gigabit SFP+ optical module expansion slots independently developed by UNIPOE, equipped with 4 * 10 g SFP + slot, flexible expand your network. It also provides high performance, enterprise QoS, advanced security policies, and rich layer 3 management features.

With all these advanced features, the switch is powerful and flexible enough to deploy wireless access points or IP-based network surveillance cameras for users, making it ideal for WIFI coverage, Internet cafes, computer rooms, and more.

Product Features

- Support RJ45 Auto-MDI/MDIX;
- Panel light monitors working status and assists in fault analysis;
- Supports full-duplex IEEE 802.3x flow control and Backpressure half-duplex flow control;
- Support Energy-Efficient Ethernet (EEE) function (IEEE802.3az);
- High reliability design, supporting traditional STP/RST layer 3 link protection technology; Supports manual aggregation and dynamic aggregation, which increases link bandwidth, improves link reliability, and implements load balancing and link backup;
- Management and maintenance Supports Console, Telnet, and SSH management modes;
- The system supports WEB management, which facilitates installation and debugging for engineers and maintenance personnel;
- Virtual Gateway Supports file upload and download management through TFTP.

Product Specifications

Model	PM128GTM V2
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
Interface	24*10/100/1000Mbps RJ45 Ports 4* 10G SFP+ Slots 1*Console
Indicator	PWR, LNK/ACT, 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 10GBASE-X: MMF, SMF
MAC Address Table	16K, Auto-learning, Auto-aging
jumbo frame	12K Byte
Transfer Mode	Store-and-forward
Packet Forward Speed	95.23Mpps
Switching Capacity	128Gbps
Packet buffer	12Mbit
Dimensions(L*W*H)	441*207*44.4mm
Fan Quantity	Fanless
Green energy saving	IEEE 802.3az
Power supply	24W
Input Power Supply	12V/2A
Operating Temperature	0°C ~ 40 °C
Storage Temperature	-40 °C ~ 70 °C
Operating Humidity	10% ~ 90% non-condensing
Storage Humidity	5% ~ 90% non-condensing
MTBF	> 100000 hour

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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	Bandwidth Control
			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	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		

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

Ordering information

Model	product information
PM128GTM V2	24GE+4*10G SFP+ +1Console Managed Switch