

Product Specifications

Hardware Specification

Model	PM120GSMI 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
Interface	8*10/100/1000Mbps RJ45 Ports 12*1000Mbps SFP Slots 1 Console Port
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
MAC Address Table	8K, Auto-learning, Auto-aging
Jumbo Frame	9216Byte
Packet Buffer	4.1M bit
Transfer Mode	Store-and-forward
Packet Forward Speed	29.76Mpps
Switching Capacity	40Gbps
Dimensions(L*W*H)	145*109*62mm
Fan Quantity	Fanless
Green Energy Saving	IEEE 802.3az
Input Power Supply	DC:12-55V
Operating Temperature	-40°C ~ 75 °C
Storage Temperature	-40 °C ~ 80 °C
Operating Humidity	10% ~ 90% non-condensing
Storage Humidity	5% ~ 90% non-condensing
Surge Protection	Differential mode ±2KV Common mode ±6KV
MTBF	>100000 hour
Electrostatic Standard	Contact ±6KV,Air ±8KV

Software Specification

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

Port Config	Ping/Traceroute
	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
	LLDP (802.1ab)
Discovery	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
	ARP Quantity Control
ICMP	Anti ICMP Attack
	ICMP Rate Limit
IP Forward	ICMP Unreachable Drop
	Static Route
	Route Aggregation

Control Multicast	DCSCM
Multicast VLAN	Multicast VLAN
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
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
Basic	Trust COS/DSCP
	Trust Port
Scheduling	SP
	WRR
	WDRR
Policy Map Stream	Based on VLAN
	Based on COS/DSCP
	Aggregate Policy Map
	Ingress Policy Map
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

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