



DATASHEET

POE-SW2404G-MG-PLUS | PoE Switch

Network Protocol and Standards Compatibility

- IEEE 802.3 10BASE-T
- IEEE 802.3u 100BASE-TX
- IEEE 802.3ab 1000BASE-T
- IEEE 802.3z 1000BASE-SX
- IEEE 802.3ae 10GBASE-X
- IEEE 802.3x Flow Control
- IEEE 802.3af/at

System Parameters

Maximum VLAN ID:	4K
Jumbo Frame:	Up to 9K bytes
Unicast Mac Address:	8K
Packet Buffer Memory:	4.1M bits

Hardware Features

- 24x10/100/1000 Mbps copper ports (PoE 802.3at 30W per port, 250W total)
- 2x10/100/1000 Mbps copper uplink ports
- 2x10/100/1000 Mbps copper 1G SFP uplink ports
- Auto MDI/MDIX
- Auto-negotiation
- Half-duplex / Full-duplex operations
- Back pressure flow control for half-duplex operation
- IEEE 802.3x flow control for full duplex operation
- Factory Reset Button: Resets device to default setting

Physical Environment

AC Input

100-240 VAC, 50/60Hz
 Internal universal power supply 54V/4.25A & 12V/5.83A (Total=300W)

Operation Temperature: 0~50°C

Storage Temperature: -40~70°C

Humidity

Operation: 10%~90% RH

Storage: 5%~95% RH

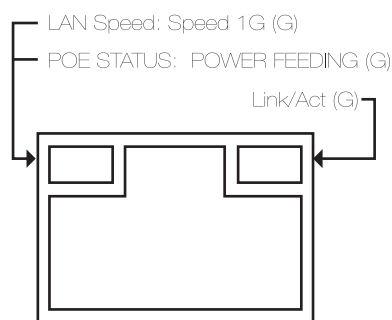
Dimension (WxDxH): 440x257x43 mm

PCB Dimension (WxD): 280x163 mmv

Emission: FCC, CE

Safety: LVD

LED Indicators



	Location	LED Indicative	Color	Status	Description
LED per device	System LED	Green	Blinking	Before system boot	
			Solid Light	After system boot	
			Light Off	Power off	
	Fault LED	Amber	Solid Light	Any fault	
			Light Off	Normal	
	PoE Max LED	Amber	Solid Light	When the total PoE output power achieve max power budget	
		Light Off	System still have spare power for new PD		
LAN Mode LED	Green	Solid Light	Select LED Mode to Ethernet Mode		
PoE Mode LED	Green	Solid Light	Select LED Mode to PoE Mode		
LED per copper port	LAN Mode	Green	Solid Light	Speed 1000Mbps	
			Light Off	Speed 100/10Mbps/No Link	
	PoE Mode	Green	Solid Light	Power feeding	
			Blinking	Error Condition	
			Light Off	No power feeding	
Link/Act	Green	Solid Light	Link		
		Blinking	Transmit or receive on this port		
		Light Off	No link		
LED per SFP Port	Speed	Green	Solid Light	Speed 1Gbps	
			Light Off	Speed 100Mbps/No link	
Link/Act	Green	Solid Light	Link		
		Blinking	Transmit or receive on this port		
		Light Off	No link		

Software Features

Software Specification

Port

Port Configuration	Speed configuration
	Flow control (802.3x, back pressure)
	Port description (support 128 bytes)
IEEE 802.3az Energy Efficient Ethernet (EEE)	

L2

MAC Address Table	MAC address table (8K)
	Age Time
	Static MAC address
Jumbo Frame	Per-system (9216 bytes)
Spanning Tree	802.1D spanning tree
	802.1w rapid spanning tree
	802.1s multiple spanning tree
	MSTP instance (16 instances)
Loopback detection	
Multicast Filtering	Unknown multicast drop
	Unknown action: drop/flood
Multicast Group	Support Max. multicast group (256 groups)
IGMP Snooping	Support v1, v2, v3 awareness
	IGMP snooping fast leave (per-vlan)
	IGMP querier
MLD Snooping	Support v1
	MLD snooping fast leave (per-vlan)
	MLD querier
	Dynamic router port
	Static/forbidden router
	Report suppression
802.3ad Link Aggregation	Static Trunk
	Max. 8 ports/group
	Max. 8 groups per device
802.3ad Link Aggregation	Dynamic Trunk (LACP)
	Max. 8 ports/group
	Max. 8 groups per device
802.3ad Link Aggregation	Load balance algorithm
802.1ab Link Layer Discovery Protocol (LLDP)	

EOAM

	SFP information, SFP+ DDM
	Cable diagnostic
	Port statistics

DHCP

IPv4 DHCP Relay	DHCP Relay
	Max. IPv4 DHCP servers
IPv4 DHCP Relay Statistics	
IPv4 DHCP Snooping	

VLAN

802.1Q Support	
VLAN Group	VID from 1-4094 (Max. 256 VLAN groups)
Voice VLAN	

L3 Routing

IPv4 Static Route and Default Route	Max. 63 entries
IPv4 Default Route	Max. 1 entry
IPv6 Static Route	Max. 21 entries
IPv6 Default Route	Max. 1 entry

L3 IP Multicast

IGMP	IP group address FDB
MLD	IP group address FDB
L3 IP Multicast Routing	

QoS

Queue	Number of priority queues supported:8
CoS Mapping	
CoS Based on 802.1p Priority	
CoS Based on Physical Port	
CoS Based on DSCP/TOS	
Scheduling Mechanism	Strict/WRR/Strict + WRR
Queue Weight Bandwidth	
Bandwidth Control	Rate limit according to network speed
	12kbps~1000Mbps: in step of 16kbps

Software Features

Security

802.1X Authentication Protocol	RADIUS
802.1X Port-based Access Control	
802.1X Authenticated Hosts	
802.1X Guest VLAN	
RADIUS-VLAN assignment	
EAP/RADIUS of Port Statistics	
Port Security (Limited Dynamic Lock)	Max entries: per-port Max entries: 256 Exceed the Max entries (discard)
Storm Control	Support broadcast/unknown multicast/unknown unicast 16kbps~1000Mbps: in step of 16kbps
Port Isolation (Protected Ports)	
DOS Attack Prevention	
Access Control List (ACL)	Ingress MC Based ACL IPv4 Based ACL IPv6 Based ACL ACL Binding Action: permit/deny
Radius Server	IPv4

AAA

Login Authentication List	Local Telnet/HTTP/HTTPS
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Management

PoE Management	Power on/off per port Power class configuration (autoclass/userdefine) Power feeding with priority Power budget limit
Account Manager	Multi Privileges
Web Graphical User Interface (GUI)	HTTP IPv4/IPv6 HTTPS IPv4/IPv6
Command Line Interface (CLI)	
SNMP v1/v2/v3 Support	
RMON 1, 2, 3, 9	Support 4 groups of RMON (1:statistics, 2:history, 3:alarms, 9:events)
SSH Server	IPv4/IPv6
Telnet Server	IPv4/IPv6
TFTP Client	IPv4/IPv6
Port Mirroring	Support 1 to 1 and many to 1 Max. mirroring session:3 Tx/Rx/both mirroring
Dual Images	
Image upgrade/backup	Firmware upgrade (TFTP/HTTP)
Configuration upgrade/backup	TFTP/HTTP
Configuration Style (Readable/Configurable)	Command style
Configuration Saving	Auto save
System Time	Time setting/daylight saving
Simple Network Time Protocol (SNTP)	
Web UI Supports Non-IE Browser	Chrome, Firefox, Safari
SYSLOG	Support log admin password/IP change activity enhancement Local logging: buffered/flash Remote logging: IPv4/IPv6/hostname(IPv4)
SYSLOG Backup	Buffered
Ping	IPv4/IPv6/hostname(IPv4)
Trace Route	IPv4/IPv6/hostname(IPv4)
Factory Default	
Reboot Switch	

Mechanical & ID Design

Front View



Rear View

