



DATASHEET

PoE SWITCHES

Full Gigabit Managed

MODEL: SW-MG24P2F-003 / SW-MG16P2F-004 / SW-MG8P-006

EAN CODE: 8056459416444 / 8056459416451 / 8056459416468

OVERVIEW

PoE Switches are Full gigabit , managed , 8/16/24-port Gigabit high power (IEEE 802.3at) PoE Switches, utilizing a compact factor which can be mounted in a 19-inch rack with rack-mounting kits or placed on desktop. With data and power supported by one unit, the Switches shall reduce cables and eliminate the need for dedicated electrical outlets on the wall, ceiling or any unreachable place. Auto PoE detection and Plug and play installation makes Gigabit PoE Switch easy to use and with clear LED indicators to tell the working condition.

FEATURES

- SW-MG24P2F-003: Max Output Power: 450W, supports at most 24* 802.3af-compliant powered devices (power/port: 15.4W) or 14*802.3at-compliant powered devices (power/port:30W)
- SW-MG16P2F-004:MaxOutputPower:300W,supportsatmost16*802.3af-compliant powered devices(power/port:15.4W)or9*802.3at-compliant powered devices (power/port:30W)
- SW-MG8P-006: Max Output Power: 150W, supports at most 8* 802.3af-compliant powered devices (power/port: 15.4W) or 4*802.3at-compliant powered devices (power/port:30W)
- Compatible with both IEEE802.3at(30W) and IEEE802.3af(15.4W), can supply power to PDs under these two standards
- Transmitting electronic power together with data through a single network cable, free of power lines
- Automatically detect and supply power to IEEE802.3at and IEEE 802.3af compliant powered devices(PDs)
- Advanced SAFC function, only supply power to IEEE 802.3af/at compliant PDs, no worry about damaging other private standard PoE devices or devices without PoE function
- Support port power supply prioritization, guarantee the continuous power supply of key nodes
- Up to 100m network cable transmitting distance, support flexible network expansion without power line deployment concerns. Users can freely fix their wireless APs, IP cameras or other end devices on the wall or ceiling
- Built-in PSE power supply module, plug-and play design, easy to install
- High security performance defending against power surge
- Support short-circuit protection function, the switch will automatically start short-circuit function and cut off the power supply when there is high-current or other power failures, which can efficiently defend against device damage or network failures caused by line fault or wrong installation
- Energy-saving green design, support auto-switch to standby mode and auto-detect cable length. It will stay in standby mode and save the power when the port is disconnected , or provide a lower transmission power when the network cable is less than 10m
- Support simple WEB management, easy to configure the functions of switches

SPECIFICATION

Model	SW-MG8P-006	SW-MG16P2F-004	SW-MG24P2F-003
Fixed Ports	8*10/100/1000M PoE	16*10/100/1000M PoE	24*10/100/1000M PoE
		2 * Gigabit SFP ports	2 * Gigabit SFP ports
PoE standards	IEEE802.3af/at		
Max Output Power	30W (single port)		
Total Power Consumption	150W	300W	450W
PoE Pin-out	1/2(+),3/6(-);Customized 4/5(+),7/8(-)		
Switching Capacity	>16Gbps	≥36Gbps	≥52Gbps
Forwarding Mode	Full wire-speed storage and forwarding		
Forwarding Rate	10M:14880pps/port		
	100M:148809pps/port		
	1000M:1488095pps/port		
Operation Temperature	-20~50°C		
Storage Temperature	-40~70°C		
Operation Humidity	10%~90% (non-condensing)		
Storage Humidity	5%~95% (non-condensing)		
Dimensions (mm)	280(L) × 180(W) × 44(H)	440(L) × 285(W) × 44.5(H)	
Input Power Supply AC	90-264V~ 50-60Hz/150W	90-264V ~ 50-60Hz/300W	90-264V ~ 50-60Hz/450W
Weight	<2Kg	<10Kg	
LED Indicator	Power, Link/Act, PoE Status		
Energy Saving	Comply with "EEE" Energy Efficient Ethernet		
Standards and Protocols	IEEE 802.3af,Power Over Ethernet		
	IEEE 802.3at,Power Over Ethernet Plus		
	IEEE 802.3u,100BASE-TX		
	IEEE 802.3ab,1000 BASE-T		
	IEEE 802.3z,1000 BASE-X		
	IEEE 802.3ad,Static or Dynamic Link Aggregation		
	IEEE 802.3x,Full-Duplex Flow Control		
	IEEE 802.3az,EEE(Energy Efficient Ethernet)		
	IEEE 802.1q,VLAN		
	IEEE 802.1p,QoS/CoS		

Model	SW-MG8P-006	SW-MG16P2F-004	SW-MG24P2F-003
Standards and Protocols	IEEE 802.1d,STP(Spanning Tree Protocol)		
	IEEE 802.1w,RSTP(Rapid Spanning Tree Protocol)		
MAC Address Table	Up to 16K MAC addresses		
	Support auto-update, two-way learning		
VLAN	Port-based VLANs		
	VLANs based on IEEE 802.1q		
Spanning Tree	Support Spanning Tree Protocol		
	Support Rapid Spanning Tree Protocol(RSTP)		
Link Aggregation	Support 8 aggregation groups, and a maximum of 4 ports in each aggregation group		
Ring Protection	Support Ring Protection, provide real-time detecting, quick alarm,		
	precise localization, smart blocking and auto-recovery		
Port Isolation	Isolation between downlink ports without influence the communication between		
	downlink and uplink ports		
Port Flow Control	Back-pressure traffic control under Half-Duplex mode		
	IEEE 802.3x traffic control under Full-Duplex mode		
Port Rate Restriction	Port-based ingress or egress rate limiting		
Jumbo Frame	Maximum supports 9216 Byte		
Multicast Control	Support IGMP Snooping		
Storm Suppression	Support the suppression of broadcast storm based on forwarding rate		
Security	Port-base MAC address binding		
	Security restriction on port-based MAC address quantity		
QOS	SP(Strict Priority)		
	WFQ (Weighted Fair Queuing)		
	WRR (Weighted Round Robin)		
	802.1p(Port Queuing Priority)		
	Differentiated Service Code Point(DSCP Priority)		
PoE ouput	Supported (priority Management)		
Physic Medium	10/100Base-TX:UTP category 3/4/5 cables(Maximum 100m)		
	1000Base-T:UTP Category 5 cable(Maximum 100m)		
	1000Base-SX:fiber with 850nm wavelength,supports a max transmission		
	distance of 550m		

Model	SW-MG8P-006	SW-MG16P2F-004	SW-MG24P2F-003
Physic Medium	1000Base-LX:fiber with 1310nm / 1550nm wavelength,supports a max		
	transmission distance of 80km		
Network Cable Deployment	Support Auto-MDIX function, automatically identify straight forward cable and		
	cross-over cable		
Negotiation Pattern	Support port auto-negotiation function(automatically negotiate transmission		
	rate and Duplex modes)		
Maintenance	Detect the connectivity of network cables		
	Uploading or downloading of the configuration data		
	Uploading of upgrade patch		
	WEB-based reset to factory defaults		
	Support port short-circuit reset to factory defaults		
Management	Support WEB-based management		