

MG-5P Series



PRODUCT DESCRIPTION

This series unmanaged switch(PoE optional), 4/5*10/100/1000Mbps adaptive RJ45 port and 1*1000Mbps fiber port. Each port support MDI/MDIX. Port 1-4 can support PoE, match IEEE802.3af/at standard, It can be used as Ethernet power supply equipment, can automatically detect and identify the power receiving equipment meeting the standard. The storage and forwarding mode, combined with QoS Technology, ensures that the bandwidth is effectively allocated to each port, providing stable and reliable power supply and data transmission for high consumption AP, network camera, PTZ, PoE lighting and other security monitoring equipment.

PRODUCT PARAMETERS

Provider Mode Ports	
Fixed port	4*10/100/1000 Base-T + 1* 1000Base-X 5*10/100/1000 Base-T
Power interface	PoE: DC connector(2.1mm) Non-PoE: DC connector(2.5mm)
LED Indicators	P: Power indicator M: PoE model: when the load power exceeds 90% of the total power of the power supply, the red light will flash to give an alarm; Non-PoE model: Chip read / write abnormal alarm 5: Link/ act link status indicator of port 5 N: When the devices have 5 ports, the indicator off
Optical fiber interface	LC, SC, FC, ST

Cable Type & Transmission Distance	
Twisted-pair	PoE(100Mbps) : 0-100m (CAT5e,CAT6) PoE(10Mbps) : 0-250m (CAT5e,CAT6)
Monomode optical fiber	20/40/60/80/100KM
Multimode (optical) fiber	550m
Network Topology	
Ring topology	Unsupported
Star topology	Support
Bus topology	Support
Tree Topology	Support
Dialing instructions (Non-PoE)	
1: V port (Port 1-2)	When the network is congested, ensure that the message of V port is forwarded first
2: Port isolated	Port isolation
3: VLAN	VLAN
4: Port mirror	Port mirror
Dialing instructions (PoE)	
1: V port (port 1-2)	When the network is congested, ensure that the message of V port is forwarded first; When the power is overloaded, ensure that the V port has priority in power supply
2: Port isolated	Port isolation
3: RPR	PoE remote PD reset
4: LDS	250m long distance transfer (10Mbps)
Electrical Specifications	
Input voltage	Non-PoE: 1-4 PoE: DC48V (recommend DC52~57V)
Total Power consumption	Non-PoE: (Total power) $\leq 5W$; PoE full load((802.3af, 802.3at) $\leq 125W$
PoE (Optional)	
PoE port	1~4
PoE Protocol	802.3af, 802.3at
Pin Assignment	1/2+, 3/6- (802.3af, 802.3at)
PoE Port Power	802.3af: 15.4W 802.3at: 30W
PoE Short Protect	Support
PoE Priority Dip-switch	Support (When the total load exceeds the range, priority should be given to ensure the power supply at the specified port)
Layer 2 Switching	
Switching capacity	14G
Packet forwarding rate	10.416Mpps
MAC address table	2K
Buffer	2K
Forwarding delay	<5us
MDX/MIDX	Support

Port mirror	Support
Environment	
Operating temperature	Non-PoE: -25°C~+70°C PoE: -25°C~+60°C
Storage temperature	-40°C~+75°C
Relative humidity	5%~95% non-condensing
Thermal methods	Fanless, natural cooling
MTBF	500,00 hours
EMC & Ingress Protection	
Surge protection of Power	DC: IEC 61000-4-5 Level 3 (2KV) (8/20us)
Surge protection of Ethernet port	IEC 61000-4-5 Level 4 (4KV) (10/700us)
ESD	IEC 61000-4-2 Level 4 (8K/15K)
Free fall	0.5m
Mechanical Dimensions	
Product size	140*88*28mm (LxWxH)
Installation Method	Desktop, wall mounting
Weight	0.3KG around
Authentication	
Authentication	CCC/CE/FCC/RoHS
Accessories	
Accessories	Device, Certificate, instruction, Dust plug
	Power adapter(Optional)
Optional Model	
MG-2P-1SC	1*1000M 1*9 SC fiber + 2*10/100/1000M PoE port, DC48-58V
MG-2P-1SC-A	1*1000M 1*9 SC fiber(single mode single fiber) + 2*10/100/1000M PoE port, DC48-58V
MG-2P-1SC-B	1*1000M 1*9 SC fiber(single mode single fiber) + 2*10/100/1000M PoE port, DC48-58V
MG-4P-1SC	1*1000M SFP/ 1*9 SC fiber + 4*10/100/1000M PoE port, DC48-58V
MG-4P-1SC-A	1*1000M SFP/ 1*9 SC fiber(single mode single fiber) + 4*10/100/1000M PoE port, DC48-58V
MG-4P-1SC-B	1*1000M SFP/ 1*9 SC fiber (single mode single fiber)+ 4*10/100/1000M PoE port, DC48-58V