MG-8P Series

Input Voltage: DC12~58V(Non-PoE),　DC48-58V(PoE)

Operating Temperature: -40℃ ～ +75℃

Shell: IP40 protection, fanless design

Test Report: CCC, RoHS, FCC, CE

Anti-static: 8KV-15KV

MTBF: 100000 Hour

PRODUCT DESCRIPTION

This device is 2*1000Base-X & 8*10/100/1000Base-T unmanaged PoE Switches. Each RJ45 port supports MDI /MDIX and line speed forwarding functions. Port 1-8 support PoE, match standard IEEE802.3af/at/bt, it can be used as Ethernet power supply equipment, It can automatically detect and identify the power receiving equipment that meets the standard, and supply power for it through the network cable, using the store and forward mode, combined with QoS Technology, bandwidth is effectively allocated to each port, providing stable and reliable power supply and data transmission for high-power AP, network camera, PTZ network ball machine, Poe lighting and other security monitoring equipment.

PRODUCT PARAMETERS

Provider Mode Ports	
Fixed port	8*10/100/1000Base-T + 2*1000Base-X
Power interface	DC interface(2.1mm)

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LED Indicators	**P:** Power indicator
	M: The load power exceeds 90% of the total power of the power supply, the red light is always on to give the alarm.
	9: Link / act link status indicator for port 9
	10: Link / act link status indicator for port 10
Optical fiber interface	LC、SC、FC、ST

Cable Type & Transmission Distance

Twisted-pair	PoE(1000Mbps)：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

Electrical Specifications

Input voltage	DC12-58V（Non-PoE），DC48~58V(PoE)
Total Power consumption	<10W(Non-PoE); <280W(PoE)
Voltage Alarm	Support

POE Dialing instructions

1. V port (Port 1-2)	Ensure the priority of the forward of the V-port message in the case of network congestion;
	Ensure that V port is preferred when the power supply load is overloaded
2：Port isolated	Port Isolation
3：RPR	PoE remotely PDrestart
4：LDS	250m long distance switching (10Mbps)

Electrical Specifications

Input voltage	DC48V (DC52-57V recommend)
Total Power consumption	Total (802.3af，802.3at) ≤245W

PoE Support

PoE port	1~8
PoE Protocol	802.3af，802.3at
Pin Assignment	1/2+, 3/6-　(802.3af，802.3at)
Max power for one port	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 the power supply of the specified port)

Layer 2 Switching

Switching capacity	20G
Packet forwarding rate	14.88Mpps

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MAC address table	4K
Buffer	2M
VLAN	Support
Buffer	2K
Forwarding delay	<5us
MDX/MIDX	Support
Port Mirror	Support

Environment

Operating temperature	-20℃~+60℃
Storage temperature	-40℃~+70℃
Relative humidity	5%~95% non-condensing
Thermal methods	Fanless, natural cooling
MTBF	500,000 hours

EMC & Ingress Protection

Surge protection of Power	IEC 61000-4-5　Level 3（2KV）（8/20us）
Surge protection of Ethernet port	IEC 61000-4-5　Level 4（4KV）（10/700us）
DIP	IEC 61000-4-11　Level3　(10V)
ESD	IEC 61000-4-2　Level 4　(8K/15K)
Free fall	0.5m

Mechanical Dimensions

Product size	152*115*44mm（LxWxH）
Installation Method	Desktop, wall mounted
Weight	0.6KG

Authentication

Authentication	CCC, CE, FCC, RoHS

Accessories

Accessories	Device, Terminals, Specification, Certificate,dust plug, power adapter(optional)

Optional Model

MG-8P-2SFP	2*1000Base-X, SFP port, 8*10/100/1000Base-T PoE support IEEE802.3af&at
MG-8P-2SC	2*1000Base-X, SC port, 8*10/100/1000Base-T PoE support IEEE802.3af&at