

# MF-8P Series



## PRODUCT DESCRIPTION

This device is 2\*1000Base-X & 8\*10/100Base-T unmanaged Switches(PoE optional). 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 Base-T +1/2* 1000Base-X 8*10/100 Base-T +1/2* 1000Base-T
Power interface	DC interface(2.1mm)
LED Indicators	<b>P:</b> Power indicator <b>M:</b> The load power exceeds 90% of the total power of the power supply, the red light is always on to give the alarm. <b>9:</b> Link / act link status indicator for port 9 <b>10:</b> 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) : 0-800m (CAT5e,CAT6)
Monomode optical fiber	20/40/60/80/100KM
Multimode (optical) fiber	550m
<b>Network Topology</b>	
Ring topology	Unsupported
Star topology	Support
Bus topology	Support
Tree Topology	Support
<b>Electrical Specifications</b>	
Input voltage	DC12-58V (Non-PoE) , DC48~58V(PoE)
Total Power consumption	<10W(Non-PoE); <280W(PoE)
Voltage Alarm	Support
<b>POE Dialing instructions</b>	
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 PD restart
4: LDS/ Port mirror(Optional)	800m long distance switching (10Mbps) /Port mirror(Optional)
<b>Electrical Specifications</b>	
Input voltage	DC48V (DC52-57V recommend)
Total Power consumption	Total (802.3af, 802.3at) ≤245W
<b>PoE Support</b>	
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)
<b>Layer 2 Switching</b>	
Switching capacity	5.6G
Packet forwarding rate	4.166Mpps
MAC address table	2K
Buffer	2M
VLAN	Support
Forwarding delay	<10us
MDX/MIDX	Support
Port Mirror	Support

<b>Environment</b>	
Operating temperature	PoE: -25°C~+60°C
Storage temperature	-40°C~+70°C
Relative humidity	5%~95% non-condensing
Thermal methods	Fanless, natural cooling
MTBF	50,000 hours
<b>EMC &amp; Ingress Protection</b>	
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)
ESD	IEC 61000-4-2 Level 4 (8K/15K)
Free fall	0.5m
<b>Mechanical Dimensions</b>	
Product size	205*88*28mm (LxWxH)
Installation Method	Desktop, wall mounted
Weight	0.5KG
<b>Authentication</b>	
Authentication	CCC, CE, FCC, RoHS
<b>Accessories</b>	
Accessories	Device, Terminals, Specification, Certificate,dust plug, power adapter(optional)
<b>Optional Models</b>	
MF-8P-2SFP	2*1000M SFP port + 8*10/100M PoE port DC52V power supply(With DIP switches)
MF-8P-2SC	2*1000M SC port + 8*10/100M PoE port DC52V power supply(With DIP switches)