



FEATURES AND HIGHLIGHTS

Abundant Interfaces

- 8*10/100/1000BASE-T PoE RJ-45(Auto MDI/MDIX)
- 2*1G/2.5GBASE-X SFP
- 1*RJ-45 Console
- 1*RS485
- 1*Relay
- 1*USB 3.0
- 1*DC Output

Industrial Design

- Working temperature: -40~75°C
- Redundant power supply, 12~57V wide voltage inputs
- 6kV contact discharge, 8kV air discharge ESD protection
- Fan-less metal shell design
- DIN-rail/wall mounted/desktop installation

Layer 2 Management Function

- 802.1Q VLAN
- 802.1p QoS
- SNMP
- STP/RSTP/MSTP
- Fast-Ring
- IGMP snooping
- DMS (Dashboard management system)

OVERVIEW

The product is Industrial 8-Port Gigabit PoE+ 2-Port 1G/2.5G SFP L2 Managed Ethernet Switch.

The switch provides 8*10/100/1000Mbps Ethernet RJ-45 ports, 2*1G/2.5Gbps SFP uplink ports. All downlink RJ-45 ports support Power-over-Ethernet (PoE), which can deliver up to 45W power per port. It can be set by software to deliver up to 90W power for port 1, disabled PoE function for port 2 at the same time, and deliver up to 45W power for ports 3 to 8 each. It meets IEEE 802.3af/at/bt standard.

The switch supports PoE watchdog features, which can detect and restart the camera automatically if it stops working. It supports the Q-PoE (Quick PoE) technology, which enables PoE power supply immediately upon switch startup without waiting for switch system software control. It supports the P-PoE (Perpetual PoE) technology, which enables PoE power supply without interruption when switch is restarting and restores the network quickly.

The switch has extensive L2 management functions, such as 802.1Q VLAN, 802.1p QoS, SNMP, Fast-Ring, and PoE control. It can be easily managed via a WEB GUI (http/https), CLI (telnet/ssh/console) or SNMP. The switch supports 12 to 57V DC wide voltage inputs and is designed for high availability applications. It can be widely used in video security monitoring systems, network projects, etc.

MT-TP73G10POE

TECHNICAL SPECIFICATIONS

Hardware Specifications	Ethernet Ports	8*10/100/1000BASE-T PoE RJ-45(Auto-MDI/MDI-X)
		2*1G/2.5GBASE-X SFP (The default value is 1G)
	Management Port	1*RJ-45 Console 1*Relay
	Serial Port	1*RS-485
		RS-485 signal: A, B Check bit: None, Even, Odd, Space, Mark Data bit: 5, 6, 7, 8bit Stop bit: 1, 1.5, 2bit Baud rate: 300~115200bps Load capacity: RS-485 port supports 32-point polling environment (128-point could be customized) Direction control: RS-485 adopts automatic data flow control technology
		USB Port
		USB3.0
	Auxiliary DC Output	OFF/12V/24V@2A max
	Init Button	Short press to restart the device, Long press >5s to initialize the system
	LED Indicators	2*PWR, power indicators
		1*ALM, alarm indicator
		2*SFP port indicators
	Dimensions (W*D*H)	163mm*110mm*95.1mm
	Net Weight	1.72kg
	Input Voltage	Support redundant power supply, Power 1 (Main): 12~57V DC, Power 2 (Backup): 12~57V DC
	Power Consumption	≤250W (Full load including PoE & auxiliary DC)
	Installation	DIN-rail/Desktop/Wall mounted
	Material	Metal shell
Switch Property	Forwarding Modes	Store and Forward
	Switching Capacity	26Gbps / non-blocking
	Packet Forwarding Rate	19.344Mpps
	MAC Table	16k, support auto learning
	Port Buffer	2MB
	Jumbo Frame	9kB

Power Supply	PoE Standard	IEEE 802.3af/at/bt
	PoE Power Supply Type	End-span
	PoE Pin Assignment	1/2(+),3/6(-) or 3/6/4/5(+), 1/2/7/8(-)
	PoE Budget	Mode1: 45W max for each port Mode2: 90W max for port 1, disabled PoE function for port 2, 45W max for ports 3 to 8 each. 240W@48V, 120W@24V, 60W@12V max for whole switch (Including auxiliary DC output)
Reliability	ESD	IEC61000-4-2, Level 3: Contact Discharge: ±6kV, Air Discharge: ±8kV
	Surge	IEC61000-4-5, Data Port: ±6kV
	Operating	-40°C ~75°C, 5%~95% (Non-condensation)
	Storage	-40°C ~85°C, 5%~95% (Non-condensation)
Certifications	CE, FCC	