

## **MT-TP73G10POE** Industrial 8-Port Gigabit PoE+ 2-Port 1G/2.5G SFP L2 Managed Ethernet Switch



## 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**

Ethernet Ports     45(Auto-MDI/MDI-X)       2*1G/2.5GBASE-X SFP (The default value is 1G)       Management Port     1*RJ-45 Console 1*Relay       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 b customized)       VBB Port     USB 3.0       Auxiliary DC Output     OFF/12V/24V@2A max       Bate Dist: 5, 6, 7, 8bit Stop bit: 1, 15, 2bit Baud rate: 300~115200bps Load capacity: RS-485 port supports 32-point polling environment (128-point could b customized)       USB Port     USB3.0       Auxiliary DC Output     OFF/12V/24V@2A max       Direction control: RS-485 is onitialize the system       EED Indicators     1*ALM, alarm indicator       2*SFP port indicators     1*ALM, alarm indicator       Dimensions (W*D*H)     163mm*110mm*95.1mm       Net Weight     1.72kg       Support redundant power supply, Power 1 (Main): 12~57V DC, Power 2 (Backup): 12~57V DC, Power 3 (Backup): 12~57V DC, Power 2 (Backup): 12~57V DC, Power 3 (Backup)       Forwarding Modes			
Hardware   2*1G/2.5GBASE-X SFP (The default value is 1G)     Management Port   1*RJ-45 Console 1*Relay     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 b customized) Direction control: RS-485 adop 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 >5 to initialize the system     LED Indicators   1*ALM, alarm indicator     2*SFP port indicators   1*ALM, alarm indicator     Dimensions (W*D*H)   163mm*110mm*95.1mm     Net Weight   1.72kg     Dimput Voltage   Support redundant power supply, Power 2 (Backup): 12~57V DC, Power 2 (Backup): 12~57V DC,		Ethernet Ports	8*10/100/1000BASE-T PoE RJ- 45(Auto-MDI/MDI-X)
Port     1*Relay       ITRS-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: 300–1152000ps Load capacity: RS-485 port supports 32-point could b customized)       Hardware Specifications     USB Port     USB3.0       Hardware Specifications     Auxiliary DC Output     OFF/12V/24V@2A max       Init Button     Short press to restart the device Long press >5 to initialize the system       LED Indicators     1*ALM, alarm indicator       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 3 (Material       Material     Metal shell       Forwarding Modes     Store and Forward       Switching Capacity     26Gbps / non-blocking       Switching Capacity     26Gbps / non-blocking			
Hardware Specifications     Serial Port     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 b customized)       Hardware Specifications     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     1*ALM, alarm indicator       2*SFP port indicators     1*ALM, alarm indicator       Dimensions (W*D*H)     163mm*110mm*95.1mm       Net Weight     1.72kg       Input Voltage     Support 2250W (Full load including PoE & auxiliary DC)       Power Consumption     2250W (Full load including PoE & auxiliary DC)       Installation     DIN-rail/Desktop/Wall mounted       Material     Metal shell       Forwarding Modes     Store and Forward       Switch     Packet Switching     26Gbps / non-blocking		-	
Hardware SpecificationsSerial PortCheck bit: None, Even, Odd, Space, Mark Data bit: 5, 6, 7, 8bit Stop bit: 1, 1.5, 2bit Baud rate: 300~115200ps Load capacity: RS-485 port supports 32-point polling environment (128-point could b customized) Direction control: RS-485 adop automatic data flow control technologyHardware SpecificationsUSB PortUSB3.0Auxiliary DC OutputOFF/12V/24V@2A maxInit ButtonShort press to restart the device Long press >5s to initialize the systemLED Indicators1*ALM, alarm indicatorDimensions (W*D*H)163mm*110mm*95.1mmNet Weight1.72kgInput VoltageSupport redundant power supply, Power 1 (Main): 12~57V DC, Power 2 (Backup): 12~57V DC, Power 2 (Backup): 12~57V DC, Power 2 (Backup): 12~57V DCPower Consumption\$250W (Full load including PoE & auxiliary DC)InstallationDIN-rail/Desktop/Wall mounted MaterialMaterialMetal shellSwitchPacket Packet PacketSwitchPacket PacketSwitchPacket PacketSwitchPacket PacketSwitchPacket PacketSwitchPacket PacketSwitchPacket PacketSwitchPacket PacketSwitchPacket PacketSwitchPacket PacketSwitchPacket PacketSwitchPacket PacketSwitchPacket PacketSwitchPacket Packet			1*RS-485
Hardware Specifications   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 2 (Backup): 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     Forwarding Modes   Store and Forward     Switch   Packet Forwarding Packet   19.344Mpps		Serial Port	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
Specifications   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 2 (Backup): 12~57V DC, Power 2 (Backup): 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     Forwarding Modes   Store and Forward     Switch   Packet Forwarding Dacket   26Gbps / non-blocking     Switch   Packet Forwarding Packet   19.344Mpps		USB Port	USB3.0
Init Button   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 2 (Backup): 12~57V DC     Power Consumption   ≤250W (Full load including PoE & auxiliary DC)     Installation   DIN-rail/Desktop/Wall mounted     Material   Metal shell     Forwarding Modes   Store and Forward     Switching   26Gbps / non-blocking     Packet   19.344Mpps		-	OFF/12V/24V@2A max
LED Indicators   1*ALM, alarm indicator     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     Forwarding Modes   Store and Forward     Switching Capacity   26Gbps / non-blocking     Packet   19.344Mpps		Init Button	
Switch   2*SFP port indicators     2*SFP port indicators     2*SFP port indicators     2*SFP port indicators     163mm*110mm*95.1mm     (W*D*H)     Net Weight     1.72kg     Support redundant power supply, Power 1 (Main): 12~57V DC, Power 2 (Backup): 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     Forwarding Modes   Store and Forward     Switching   26Gbps / non-blocking     Packet   19.344Mpps			2*PWR, power 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     Forwarding Modes   Store and Forward     Switch   26Gbps / non-blocking     Packet   19.344Mpps		LED Indicators	1*ALM, alarm indicator
(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   ≤250W (Full load including PoE & auxiliary DC)     Installation   DIN-rail/Desktop/Wall mounted     Material   Metal shell     Forwarding   Store and Forward     Switching   26Gbps / non-blocking     Packet   19.344Mpps			2*SFP port indicators
Input Voltage   Support redundant power supply, Power 1 (Main): 12~57V DC, Power 2 (Backup): 12~57V DC     Power   ≤250W (Full load including PoE & auxiliary DC)     Installation   DIN-rail/Desktop/Wall mounted     Material   Metal shell     Forwarding Modes   Store and Forward     Switch   Packet     Packet   19.344Mpps			163mm*110mm*95.1mm
Input Voltage 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   Forwarding Modes Store and Forward   Switching Capacity 26Gbps / non-blocking   Packet 19.344Mpps		Net Weight	1.72kg
Consumption & auxiliary DC)   Installation DIN-rail/Desktop/Wall mounted   Material Metal shell   Forwarding Modes Store and Forward   Switching Capacity 26Gbps / non-blocking   Packet 19.344Mpps		Input Voltage	supply,
Material     Metal shell       Forwarding Modes     Store and Forward       Switching Capacity     26Gbps / non-blocking       Packet     19.344Mpps			≤250W (Full load including PoE & auxiliary DC)
Forwarding Modes     Store and Forward       Switching Capacity     26Gbps / non-blocking       Switch     Packet       Forwarding Pack     19.344Mpps		Installation	DIN-rail/Desktop/Wall mounted
Modes     Store and Forward       Switching Capacity     26Gbps / non-blocking       Switch     Packet       Forwarding Pack     19.344Mpps		Material	Metal shell
Switch Packet 19.344Mpps	Switch Property	U U	Store and Forward
Forwarding Pote 19.344Mpps		Capacity	26Gbps / non-blocking
			19.344Mpps
MAC Table 16k, support auto learning			16k, support auto learning
Port Buffer 2MB		Port Buffer	2MB
Jumbo Frame 9kB		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	

