

ITP-500

IP56, 5x FE M12

- >> M12 Connector for Ethernet and Power
- >> Slim and Fanless Design
- » EN50155, EN50121-4, EN61000-6-2, EN61000-6-4, CE and FCC Certified













An EN50155 certified M12 type Ethernet switch, ITP-500 has 5x 10/100Base-TX Fast Ethernet ports, fanless, IP56 protection, designed for industrial applications in harsh environments, and utilizes M12 connectors to ensure waterproof, Sturdy connections and guaranteed reliable operation without environmental disturbances such as vibration and shock. EN50155 certification covers critical regulation of operating temperature, mains input voltage, surge, ESD, vibration and shock, making it suitable for industrial applications such as vehicles, rolling stock and factory automation.

Features

- Use M12 connector anti vibration and shock for vehicle, rolling stock, and railway applications
- Slim design
- DC input power 12/24/48VDC (8.4~60VDC)
- Wide operating temperature -40~75°C (ITP-500-E)
- CE, FCC, EN50155 and EN50121-4 for railway certified
- Industrial Grade EMS, EMI, EN61000-6-2, EN61000-6-4 certified

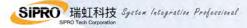
Specifications						
Standard	IEEE 802.3 10Base-T Ethernet					
	IEEE 802.3u 100Base-TX Fast Ethernet					
	IEEE 802.3x Flow Control and Back Pressure					
Switch Architecture	Back-plane (Switching Fabric): 1Gbps (Full wire-speed)					
Data Processing	Store and Forward					
Flow Control	IEEE 802.3x flow control, back pressure flow control					
MAC Address Table	1 K					
Packet Buffer Size	448Kbits					
Network Connector	5x M12 D-code Female					
	10/100Base-TX Auto negotiation speed					
	Auto MDI/MDI-X function					
	Full/Half duplex					
Network Cable	UTP/STP Cat. 5e cable above					
	EIA/TIA-568 100-ohm (100meter)					
Protocols	CSMA/CD					
LED	Per unit: Power (Green)					
	Per port: Link/Active (Green)					
Reverse Polarity Protection	Present for power input					
Overload Current Protection	Supported					
Power Supply	DC 12/24/48V (8.4~60VDC) Input power					
Power Connector	5 Pin Male A-Code M12					

瑞虹科技股份有限公司

TEL: (02)2999-0857 FAX: (02)2999-0852

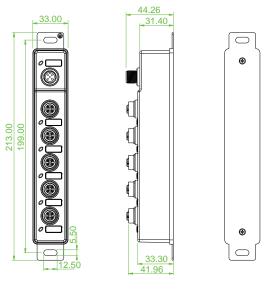
EMAIL: siprotech_sales@siprotech.com.tw ADD:新北市三重區光復路一段83巷1號3樓





Power Consumption	Input Voltage	ITP-500							
	12VDC	0.8W							
	24VDC	1.0W							
	48VDC	1.9W							
Operating Temperature	-40 ~ 75°C								
Operating Humidity	5% to 95% (Non-condensing)								
Storage Temperature	-40 ~ 85°C								
Housing	IP56 Rugged housing and fanless								
Dimensions	44.3 x 33 x 213mm (D x W x H)								
Weight	150g								
Installation Mounting	Wall mounting								
MTBF	2,315,383 Hours (MIL-HDBK-217)								
Certification									
EMC	CE								
EMI	FCC, FCC Part 15 Subpart B Class A, CE								
Railway Traffic	EN50155, EN50121-4								
Immunity for Heavy Industrial Environment	EN61000-6-2								
Emission for Heavy Industrial Environment	EN61000-6-4								
EMS	EN61000-4-2 (ESD) Level 3, Criteria B								
(Electromagnetic Susceptibility)	EN61000-4-3 (RS) Level 3, Criteria A								
Protection Level	EN61000-4-4 (Burst) Level 3	, Criteria A							
	EN61000-4-5 (Surge) Level 3, Criteria B								
	EN61000-4-6 (CS) Level 3, Criteria A								
	EN61000-4-8 (PFMF, Magnetic Field) Field Strength: 300A/m, Criteria A								
	EN 61000-4-11 Voltage Dips								
Shock	IEC 61373								
Freefall	IEC 60068-2-32								
Vibration	IEC 61373								

Dimensions



Side View Front

Front View

Rear View





Ordering Information

Model Name Total Port	UTP M12	Redundant Power Supply	Certification			Shock Vibration	Operating		
	Port	10/100Base-TX	12/24/48VDC (8.4~60VDC)	EN50155	EN50121-4	EN61000-6-2 EN61000-6-4	CE FCC	IEC61373	Temperature
ITP-500-E	5	5	1	V	V	V	V	V	-40~75°C

Optional Accessories

■ Optional Cable/Connector

P/N: CAB-M12DM4-RJ45

M12 D-code Male (4-Pin) to RJ-45, AWG 24, IP67, 1 meter



For FE UTP

P/N: CAB-M12AF5-OPEN

M12 A-code Female (5-Pin) to open wire, AWG 22, IP67, 1 meter



For Power

P/N: M12D-M4

M12 D-code Male (4-Pin) connector, IP67



For FE UTP

P/N: M12A-F5

M12 A-code Female (5-Pin) connector, IP67



For Power