ITP-800-8PH24



IP56, 8x FE M12 with 8x PoE 120W, 24/48VDC

- >> 24/48VDC Redundant Dual Power Input
- » Regulated PoE Output Voltage
- >> M12/M23 Connector for UTP and Power
- » EN50155, EN50121-4, EN61000-6-2, EN61000-6-4. EN62368-1, CE and FCC Certified
- > IP56 Protection for Water and Dust













The EN50155 certified M12 PoE switches ITP-800-8PH24, plastic housing IP56 protection, have 8x 10/100Base-TX M12 D-code Ethernet ports, fanless and redundant power input. Designed for heavy industrial, vehicle and rolling stock applications, utilizing M12 connectors to ensure secure connections and reliable operation, and withstand environmental disturbances such as vibration and shock. 24VDC power input design, compatible with vehicle battery power supply, realizes PoE function through voltage boosting. EN50155 certification covers operating temperature, mains input voltage, surge, ESD, vibration and shock, making the switch suitable for vehicle, rolling stock applications.

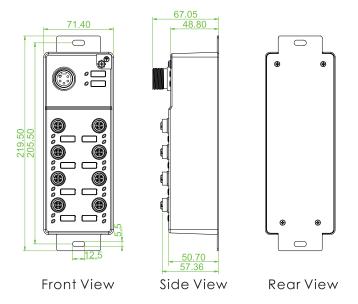
Features

- Use M12/M23 connector anti vibration and shock for vehicle, rolling stock, and railway applications
- 24/48VDC (20~57VDC) redundant dual input power with built-in very high efficiency (97~98%) to boost PoE output voltage to 50VDC
- Regulated PoE output voltage (50VDC) to stabilize PoE device, and guarantee delivery PoE power distance to 100 meters
- Wide operating temperature -40~75°C (ITP-800-8PHE24)
- CE, FCC, EN62368-1, 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				
	IEEE 802.3af	PoE (Power over Ethernet)				
	IEEE 802.3at	PoE+ (Power over Ethernet enhancements)				
Switch Architecture	Back-plane (Switching Fabric): 1.6Gbps (Full wire-speed)					
Data Processing	Store and Forward					
Flow Control	IEEE 802.3x flow control, back pressure flow control					
MAC Address Table	1K					
Packet Buffer Size	448Kbits					
Network Connector	nnector 8x M12 D-code Female					
	10/100Base-TX Auto negotiation speed					
	Auto MDI/MDI-X function					
	Full/Half duplex					
Network Cable	ole UTP/STP Cat. 5e cable above					
	EIA/TIA-568 100-ohm (100meter)					
Protocols	CSMA/CD					

		1100100100							
LED	System: Power 1 (Green), Power 2 (Green)								
	Per: Link/Active (Per: Link/Active (Green)							
	PoE: ON (Green)								
Reverse Polarity Protection	Present for power input								
Overload Current Protection									
PoE Standard	IEEE 802.3af, IEEE 802.3at								
PoE Power Budget									
Power Supply	, , , , , , , , , , , , , , , , , , , ,								
	Built-in very high efficiency (97~98%) to boost PoE output voltage to 50VDC								
	Regulate PoE output voltage (50VDC) to stabilize PoE device, and guarantee delivery PoE power distance to 100								
	meters								
Power Consumption	Input Voltage	Total Power Consumption	Device Power Consumption	PoE Budget	Boost Efficiency				
	24 VDC	125W	3.6W	120W	98%				
	48 VDC	127W	4.3W	120W	97%				
Operating Temperature	-10 ~ 60°C (ITP	8UU 8DH34/							
Operating reinperature	-40 ~ 75°C (ITF								
Operating Humidity	5% to 95% (Non-								
Storage Temperature	-40 ~ 85°C								
Housing									
Dimensions									
Weight	715g								
Installation Mounting	Wall mounting								
MTBF	937,878 Hours (N	MIL-HDBK-217)							
Warranty	5 years								
Certification									
-	CE (EN55024, EN	N55032)							
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 (R	N61000-4-3 (RS) Level 3, Criteria A							
Protection Level									
	EN61000-4-5 (Surge) Level 3, Criteria B								
	EN61000-4-6 (CS) Level 3, Criteria A								
	EN61000-4-8 (P	FMF, Magnetic Field) Field Str	ength: 300A/m, Criteria A						
	EN61000-4-11 Voltage Dips								
Safety	EN62368-1	<u> </u>							
	IEC 61373								
Freefall									
Vibration	IEC 61373								

Dimensions



Ordering Information

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Model Name	Total Port	UTP M12	PoE	PoE Total Power Budget	Power Input	Certification				
		10/100 Base-TX	IEEE 802.3at		Redundant	EN50121-4 EN50155	EN62368-1	CE, FCC	EN61000-6-2 EN61000-6-4	Operating Temperature
ITP-800-8PH24	8	8	8	120W	24/48VDC	V	V	V	V	-10~60°C
ITP-800-8PHE24	8	8	8	120W	24/48VDC	V	V	V	V	-40~75℃

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 100M UTP

P/N: CAB-M23F5-OPEN

M23 Female (5-Pin) to open wire, (AWG 16), IP67, 1 meter



For Power

P/N: M12D-M4

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



For 100M UTP