

Industrial media converters

Industrial Ethernet converter/switch, with 10/100 Ethernet ports and SC Fiber ports for connecting with devices like IP camera, computer, switch, hub, server, etc, as well as, industrial VoIP phone, wireless AP and other devices. Specially designed for harsh outdoor applications. Its 3KV network port surge protection can adapt to harsh outdoor environment and ensure the reliability of the uninterrupted PoE system. Power input also chooses industry-standard types of power.

Features

- 1 Port 10/100Mbps RJ45 with Auto Uplink™ , 1 port 100Mbps SC
- Automatic MAC address learning and aging
- Automatically support IGMP (Multicasting)
- 10/100Mbps Auto-negotiation , auto-MDI-MDI-X
- LED indicators for monitoring power/link/activity
- Supports 10/100Mbps-Full/Half-duplex
- Supports Wall-mount and DIN-Rail installation for lightning protection
- Supports Daisy-Chain connection
- Supports Broadcast Storm Control
- Supports Relay output for power failure
- Super lightning protection, IP40 protection.
- Excellent heat elimination without cooling fan.
- Redundant dual DC power inputs.
- Redundant Power Inputs
- Apply to Urban Intelligent Traffic Monitoring System (ITS), Safe City.
- Harsh industrial environment or higher requirement
- -40°C-85°C operating temperature range.
- 5-Year Warranty



Technical specifications

Network Protocols	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T;IEEE802.3u;100Base-TX/FX;
Network Media	10BASE-T: Cat3,4,5 UTP(≤ 100 meter)
	100BASE-TX: Cat5 or later UTP(≤ 100 meter)
Fiber Media	Multi-mode: 2KM Single-mode: 20/40/60/80KM
Performance Specification	Bandwidth: 20Gbps
	Packet Buffer Memory:2M
	Packet Forwarding Rate:1488000pps/port
	MAC Address Table: 16K
Forwarding Mode	Store-and-Forward
Protection	Lightening protection, IP40 protection
LED Indicators	Power: PWR; Link; Link/Act
Power Supply	Input Power: 2x10~58VDC (Terminal Block)
Working Environment	Working temperature: -40~85°C ; Storage temperature: -45~85°C
	Relative Humidity: 5%~95 %(no condensation)

Technical specifications

Industry Standard	FCC CFR47 Part 15, EN55022/CISPR22, Class A EMS:
	IEC61000-4-2 (ESD): ±8kV (contact), ±15kV (air)
	IEC61000-4-3 (RS): 10V/m (80MHz-2GHz)
	IEC61000-4-4 (EFT): Power Port: ±4kV; Data Port: ±2kV
	IEC61000-4-5 (Surge): Power Port: ±2kV/DM, ±4kV/CM; Data Port: ±2kV
	IEC61000-4-6 (CS): 3V (10kHz-150kHz); 10V (150kHz-80MHz)
	IEC61000-4-16 (Common mode conduction): 30V (cont.), 300V (1s)
Shell	IP40 protect grade, metal shell
Installation	DIN-Rail or Wall mounts
Packing List	1×Industrial Ethernet Switch (plus terminal block)
	1×User Manual/Certificate of quality/Warranty card
	1×DIN-Rail mounting kit
Certification	CE mark, commercial; FCC Part 15 Class B; VCCI Class B
	EN 55022 (CISPR 22), Class B
MTBF	300,000 hours
Weight & Size	Product Weight: 0.6KG
	Packing Weight: 1.1 KG
	Product size (L×W×H): 15.7cm× 12cm× 4.8cm
	Packing size(L×W×H): 25.7cm× 18.2 cm× 6.7 cm
Warranty	5-years

Typical application



Fiber type	Twisted pair ports	Part Number	Description
Multi mode	1	MC2FM100/13/2ING	Industrial 10/100M converter, 1310nm, 1 RJ45 port , 2 SC ports, MM 2km, DIN Rail type, DC10~52V
	2	MC2FM100/13/2ING+2	Industrial 10/100M converter, 1310nm, 2 RJ45 ports , 2 SC ports, MM 2km, DIN Rail type, DC10~52V
	4	MC2FM100/13/2ING+4	Industrial 10/100M converter, 1310nm, 4 RJ45 ports , 2 SC ports, MM 2km, DIN Rail type, DC10~52V
Single Mode 2 fibers	1	MC2FS100/13/2ING	Industrial 10/100M converter, 1310nm, 1 RJ45 port , 2 SC ports, SM 20km, DIN Rail type, DC10~52V
	2	MC2FS100/13/2ING+2	Industrial 10/100M converter, 1310nm, 2 RJ45 ports , 2 SC ports, SM 20km, DIN Rail type, DC10~52V
	4	MC2FS100/13/2ING+4	Industrial 10/100M converter, 1310nm, 4 RJ45 ports , 2 SC ports, SM 20km, DIN Rail type, DC10~52V
Single Mode Bi-Directional	1	MC1FS100/15/20ING	Industrial 10/100M BI-DI converter, TX1310nm, RX1550nm, 1 RJ45 port , 1 SC port, SM 20km, DIN Rail type, DC10~52V
	1	MC1FS100/13/20ING	Industrial 10/100M BI-DI converter, TX1550nm, RX1310nm, 1 RJ45 port , 1 SC port, SM 20km, DIN Rail type, DC10~52V
	2	MC1FS100/15/20ING+2	Industrial 10/100M BI-DI converter, TX1310nm, RX1550nm, 2 RJ45 ports , 1 SC port, SM 20km, DIN Rail type, DC10~52V
	2	MC1FS100/13/20ING+2	Industrial 10/100M BI-DI converter, TX1550nm, RX1310nm, 2 RJ45 ports , 1 SC port, SM 20km, DIN Rail type, DC10~52V
	4	MC1FS100/15/20ING+4	Industrial 10/100M BI-DI converter, TX1310nm, RX1550nm, 4 RJ45 ports , 1 SC port, SM 20km, DIN Rail type, DC10~52V
	4	MC1FS100/13/20ING+4	Industrial 10/100M BI-DI converter, TX1550nm, RX1310nm, 4 RJ45 ports , 1 SC port, SM 20km, DIN Rail type, DC10~52V

