

MEDIA CONVERTER

Industrial Media Converter



www.dmsimfg.com

DMSI's industrial media converter is used for connecting devices and networks in outdoor and harsh environments. It's an easy to install and operate solution, providing 10/100/1000Mbps bandwidth on power over ethernet, while operating in a range of extreme temperatures. The unit is both wall and DIN mountable, and includes an external power supply.



FEATURES

- 1 port 10/100/1000Mbps POE, 1 port 1000Mbps SFP
- 1 Port support PoE, supports IEEE 802.3af(15.4W),IEEE802.3at PoE (30W)
- Automatic MAC address learning and aging
- Automatically support IGMP (Multicasting)
- 10/100/1000Mbps Auto-negotiation , auto-MDI-MDI-X
- LED indicators for monitoring power/link/activity
- Supports 10/100/1000Mbps-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
- Supports QoS and ensuring the transmission of VoIP packets;
- 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.

COMPLIANCES

- IEEE802.3 10BASE-T
- IEEE802.3i 10Base-T
- IEEE802.3u 100Base-TX/FX
- IEEE802.3ab 1000Base-T
- IEEE802.3z 1000Base-X
- IEEE802.3x

WARRANTY

- 6-year warranty

CERTIFICATION

- CE mark, commercial; FCC Part 15 Class B; VCCI Class B
- EN 55022 (CISPR 22), Class B



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SPECIFICATIONS

Interface	1x 10/100/1000Base-T POE port + 1x 1000Mbps SFP slot
Compliances	IEEE802.3 10BASE-T / IEEE802.3i 10Base-T / IEEE802.3u;100Base-TX/FX / IEEE802.3ab 1000Base-T / IEEE802.3z 1000Base-X / IEEE802.3x
PoE Specification	PoE Standard: IEEE802.3af/ IEEE802.3at PoE Ports: 1 port support PoE Power Output: Max. 15.4 watts (IEEE 802.3af) / Max. 30 watts (IEEE 802.3at) PoE port Auto detect AF/AT devices Output Voltage: DC52V Power Pin Assignment: 1/2+/3/6- Power Type: End-span(Mid-span optional)
Network Media	10BASE-T: Cat3,4,5 UTP(≤100 meter) / 100BASE-TX: Cat5 or later UTP(≤100 meter) / 1000BASE-TX: Cat6 or later UTP(≤100 meter)
Fiber Media	Multi-mode: 2KM / Single-mode: 20/40/60/80KM
Performance Specification	Bandwidth: 10Gbps Packet Buffer Memory: 1M Packet Forwarding Rate: 1488000pps/port MAC Address Table: 8K
Forwarding Mode	Store-and-Forward
Protection	Lightening protection, IP40 protection
LED Indicators	Power: PWR; Link; PoE; Link/Act
Power Supply	Input Voltage: DC52V (48~5V) /Terminal block
Working Environment	Working temperature, -40~85°C Storage temperature, -40~85°C Performance, 5%~95%(no condensation)
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 PoE Switch (plus terminal block) 1×User Manual/Certificate of quality/Warranty card 1×DIN-Rail mounting kit
MTBF	300,000 hours
Weight & Size	Product weight, 0.5kg / Product size (L×W×H), 15.7cm× 12cm× 4.8cm Packing weight, 1.1kg / Packing size(L×W×H), 25.7cm× 18.2cm× 6.7cm



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PART NUMBER CONFIGURATOR

(X)	Replace (X) with Transmission Speed
C	10/100 Mbps
M	10/100/1000 Mbps

(AA)	Replace (AA) with Connector Type
31	SFP (LC)
61	SC
67	ST
70	SFP (empty slot)

SINGLE-MODE		
Part #	Operating Wavelength	Distance
N(X)Y(AA)101	1310nm	10KM
N(X)Y(AA)10T	1310nm	25KM
N(X)Y(AA)104	1310nm	40KM
N(X)Y(AA)10F	1310nm	50KM
N(X)Y(AA)108	1310nm	80KM
Part #	Operating Wavelength	Distance
N(X)Y(AA)151	1550nm	10KM
N(X)Y(AA)15T	1550nm	25KM
N(X)Y(AA)154	1550nm	40KM
N(X)Y(AA)15F	1550nm	50KM
N(X)Y(AA)158	1550nm	80KM

MULTIMODE		
Part #	Operating Wavelength	Distance
N(X)F(AA)855	850nm	550M
N(X)F(AA)852	850nm	2KM
N(X)F(AA)135	1300nm	550M
N(X)F(AA)132	1300nm	2KM
N(X)F(AA)105	1310nm	550M
N(X)F(AA)102	1310nm	2KM

