

MEDIA CONVERTERS & SFP

Industrial & Harsh Environment

-- Industrial Switch PoE



DMSI's industrial PoE converter is used for connecting devices and networks in outdoor and harsh environments. Its 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 lightening 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
- IEEE802.3af
- IEEE802.3at

WARRANTY

- 6-Year Warranty

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Technical 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
	IEEE802.3af	IEEE802.3at	
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		
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, 0.5kg		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

Industrial & Harsh Environment Media Converter, ORDERING INFORMATION

Option for two RJ 45 Ports, Add "2RJ" at the end of the part number.

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

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