



## PRODUCT INFORMATION

# Industrial Media Converter

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.

### Warranty

- 6-year warranty

### Certification

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

### Compliances

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



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[www.dmsimfg.com](http://www.dmsimfg.com)



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### Specifications

<b>Interface</b>	1x 10/100/1000Base-T port + 1x 1000Mbps SFP slot	
<b>Compliances</b>	IEEE802.3 10BASE-T   IEEE802.3i 10Base-T   IEEE802.3u;100Base-TX/ FX IEEE802.3ab 1000Base-T   IEEE802.3z 1000Base-X   IEEE802.3x	
<b>PoE Specification</b>	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)
<b>Network Media</b>	10BASE-T	Cat3,4,5 UTP(≤100 meter)
	100BASE-TX	Cat5 or later UTP(≤100 meter)
	1000BASE-TX	Cat6 or later UTP(≤100 meter)
<b>Fiber Media</b>	Multi-mode	2KM
	Single-mode	20/40/60/80KM
<b>Performance Specification</b>	Bandwidth	10Gbps
	Packet Buffer Memory	1M
	Packet Forwarding Rate	1488000pps/port
	MAC Address Table	8K
<b>Forwarding Mode</b>	Store-and-Forward	
<b>Protection</b>	Lightening protection, IP40 protection	
<b>LED Indicators</b>	Power: PWR; Link; PoE; Link/Act	
<b>Power Supply</b>	Input Voltage	DC52V (48~5V) /Terminal block
<b>Working Environment</b>	Working temperature	-40~85°C
	Storage temperature	-40~85°C
	Performance	5%~95% ( no condensation)
<b>Industry Standard</b>	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)	
<b>Shell</b>	IP40 protect grade, metal shell	
<b>Installation</b>	DIN-Rail or Wall mounts	
<b>Packing List</b>	1×Industrial PoE Switch (plus terminal block) 1×User Manual/Certificate of quality/Warranty card 1×DIN-Rail mounting kit	
<b>MTBF</b>	300,000 hours	
<b>Weight &amp; Size</b>	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



<b>A</b>	Select Transmission Speed
C	10/100 Mbps
M	10/100/1000 Mbps
<b>B</b>	Select Fiber Type
Y	Single-mode
F	Multimode

<b>CC</b>	Select Connector
31	SFP (LC)
61	SC
67	ST
70	SFP (Empty slot)
<b>DD</b>	Select Operating Wavelength
10	1310nm
15	1550nm (Single-mode)
13	1300nm (Multimode)
85	850nm (Multimode)

<b>E</b>	Select Distance
1	10km (Single-mode)
T	25km (Single-mode)
4	40km (Single-mode)
F	50km (Single-mode)
8	80km (Single-mode)
5	550m (Multimode)
2	2km (Multimode)

**Note:**

- For specific power source, add "EU" for EU power supply or "UK" for UK power supply at the end of the part number.

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