

## Industrial Rated Media Converters ORDERING INFORMATION

### ND(Y)(A)(BB)(CC)(D)-2RJ

\* Option for Power Over Ethernet, Add "P" in front of part number, leave blank if not needed

**ND - Industrial Rated**

**Y - Select Transmission Speed**

C 10/100  
M 10/100/1000

**(BB) Select Connector Type**

31 SFP (LC)  
61 SC  
67 ST  
70 SFP (empty slot)

**(D) Select Distance**

5 550M Multimode  
2 2km Multimode  
1 10km Single-Mode  
T 25km Single-Mode  
4 40km Single-Mode  
F 50km Single-Mode  
8 80km Single-Mode

**2RJ - 2 RJ45 Ports**

**(A) Select Fiber Type**

Y Single-Mode  
F Multimode

**(CC) Select Operating Wavelength**

85 850 (Multimode)  
13 1300 (Multimode)  
10 1310 (Singlemode/  
Multimode)  
15 1550 (Singlemode)



## Industrial Switch PoE Media Converter

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.

### 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

### FEATURES

- 1 Port 10/100/1000Mbps POE with Auto Uplink™ , 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.

### WARRANTY

- 6-Year Warranty

## TECHNICAL SPECIFICATIONS

<b>Product Model</b>	OFS-PE-IGAS-1	
<b>Interface</b>	1x 10/100/1000Base-T POE 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 IEEE802.3af IEEE802.3at
<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:	-40~5°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>Certification</b>	CE mark, commercial; FCC Part 15 Class B; VCCI Class B EN 55022 (CISPR 22), Class B	
<b>MTBF</b>	300,000 hours	
<b>Weight &amp; Size</b>	Product Weight:	0.5 KG
	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