

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

(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)

2RJ - 2 RJ45 Ports



2-port 10/100Mbps + 1-port 100Mbps Fiber Industrial Grade Media Converter

Industrial switch, 2-port 10/100Mbps ports and 1 port 100Mbps SC Slot, for connecting with devices like computer, switch, hub, server, etc., as well as powering network camera, industrial VoIP phone, wireless AP and other supported 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 system. Power input also chooses industry-standard types of power.

Industrial media converters are designed for operation in environments with harsh tempered ranges of -40°C to 85°C. Units are available as standalone and can also be wall mounted using a separately supplied bracket.

COMPLIANCES

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

FEATURES

- 2-port 10/100Mbps with Auto Uplink™, port 100Mbps Fiber
- 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

WARRANTY

- 5-Year Warranty

TECHNICAL SPECIFICATIONS

Product Model	DYS-ISF1T2-20	
Interface	2x10/100Base-T port + 1x 100Mbps SC/ST/FC Fiber (Optional)	
Compliances	IEEE802.3 10BASE-T IEEE802.3i 10Base-T IEEE802.3u 100Base-TX/FX IEEE802.3ab 100Base-T IEEE802.3z 100Base-X	
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:	16Gbps
	Packet Buffer Memory:	512K
	Packet Forwarding Rate:	148800pps/port
	MAC Address Table:	1K
Forwarding Mode	Store-and-Forward	
Protection	Lightening protection, IP40 protection	
LED Indicators	Power:	Power: PWR; Link;speed 100 ; Link/Act
Power Supply	Input Voltage:	DC52V (48~5V) /Terminal block
Working Environment	Working temperature:	-40~5°C
	Storage temperature:	-40~85°C
	Performance	5%~95 % (no FROST)
Industry Standard	FCC CFR47 Part 15, EN55022/CISPR22, Class A EMS: IEC6100-4-2 (ESD): ±8kV (contact), ±15kV (air) IEC6100-4-3 (RS): 10V/m (80MHz-2GHz) IEC6100-4-4 (EFT): Power Port: ±4kV; Data Port: ±2kV IEC6100-4-5 (Surge): Power Port: ±2kV/DM, ±4kV/CM; Data Port: ±2kV IEC6100-4-6 (CS): 3V (10kHz-150kHz); 10V (150kHz-80MHz) IEC6100-4-16 (Common mode conduction): 30V (cont.), 300V (1s)	
Shell	IP40 protect grade, metal shell	
Installation	DIN-Rail or Wall mounts	
Packing List	1×Industrial 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:	0.5 KG
	Packing weight:	1.1 KG
	Product size (L×W×H):	15.3cm× 11.5cm× 4.7cm
	Packing size(L×W×H):	21.6cm× 20.6 cm× 6.7 cm