

1x10/100TX + 1x100FX Industrial PoE Ethernet Media Converter



Benefits

<ul style="list-style-type: none"> ■ System Interface/Performance <ul style="list-style-type: none"> ➢ RJ-45 port support Auto MDI/MDI-X Function ➢ Embedded 1 port PoE Injector Function ➢ Store-and-Forward Switching Architecture ➢ Built-in Link Lose Forwarding Technology 	<ul style="list-style-type: none"> ■ Case/Installation <ul style="list-style-type: none"> ➢ IP-30 Protection ➢ DIN Rail and Wall Mount Design
<ul style="list-style-type: none"> ■ Power Supply <ul style="list-style-type: none"> ➢ DC 48V Redundant Power ➢ Overload Current Re-settable Fuse Present 	<ul style="list-style-type: none"> ■ Provides EFT protection 3000 VDC for power line ■ Supports 6000 VDC Ethernet ESD protection

Standard Compliance

Standard	IEEE802.3 10BASE-T IEEE802.3u 100BASE-TX/100BASE-FX IEEE802.3x Flow Control and Back pressure IEEE802.3af Power over Ethernet
----------	--

Hardware Specification

Switch Architecture	Store and Forward
Link Lose Forward	TX →Fiber: If TX port link down, the media converter will force Fiber port to link down Fiber →TX: If Fiber port link down, the media converter will force TX port to link down
DIP Switch	DIP Switch 1: OFF: Disables Port /Power Alarm ON: Enables Port /Power Alarm DIP Switch 2: OFF: Disables LLF (Link Lose Forwarding) & LFP (Link Fault Pass-Through) ON: Enables LLF (Link Lose Forwarding) & LFP (Link Fault Pass-Through) DIP Switch 3: OFF: 100Base-FX Full-mode ON: 100Base-FX Half-mode DIP Switch 4: OFF: Switching mode ON: Media mode (100TX to 100FX)
Transfer Rate	14,880pps for Ethernet port 148,800pps for Fast Ethernet port
Connector	10/100TX: 1 x RJ-45 with auto MDI/MDI-X function; Support PoE injector function 100M fiber: 1 x SC type connector for Singlemode or Multimode type fiber cable
PoE pin assignment	RJ-45 port # 1~# 4 support IEEE 802.3af End-point, Alternative B mode. Positive (VCC+): RJ-45 pin 1, 2. Negative (VCC-): RJ-45 pin 3, 6. Data (1,2,3,6)
Network Cable	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m) 100Base-TX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m)

Optical Fiber	Multimode: 50/125µm~62.5/125µm Singlemode: 9/125µm Available distance: 2km (Multimode)/30km (Singlemode) Wavelength: 1310nm (Multimode/Singlemode)
Protocol	CSMA/CD
LED	Per unit: Power 1 (Green), Power 2 (Green), Fault(Red) TX: Link/Active (Green), 100M(Yellow), Feeding Power (Green) Fiber: Link/Active (Green), Full duplex/Collision (Yellow)
Overload current protection	Present
Power Supply	DC 48V Redundant Power
Power Consumption	3.3Watt (without PoE); 16.4Watt (Full load with PoE)
Operating Humidity	5%~95% (Non-condensing)
Operating Temperature	Standard: -10°C~60°C
Storage Temperature	-40°C~85°C
Case Dimension	Metal case. IP-30, 30mm (W) x 95mm (D) x 140mm (H)
Installation	DIN Rail and Wall Mount Design
EMI	FCC Class A, CE EN61000-4-2 (ESD), CE EN61000-4-3 (RS), CE EN-61000-4-4 (EFT), CE EN61000-4-5 (Surge), CE EN61000-4-6 (CS), CE EN61000-4-8, CE EN61000-4-11, CE EN61000-6-2, CE EN61000-6-4
Safety	UL, cUL, CE/EN60950-1
Stability Testing	IEC60068-2-32 (Free fall), IEC60068-2-27 (Shock), IEC60068-2-6 (Vibration)

Order Information

Part Number	Product Family	Description
26 P170 201	DragonLine	1x10/100TX + 1x100FX Industrial Ethernet Media Converter (PoE/SC/MM/2km)
26 P170 251	DragonLine	1x10/100TX + 1x100FX Industrial Ethernet Media Converter (PoE/SC/SM/30km)