10/100TX to 100FX
Industrial Ethernet Media Converter (Slimline)

Benefits

- **System Interface/Performance**
  - UTP to Fiber Media Converter
  - RJ-45 port support Auto MDI/MDI-X Function
  - Auto Negotiation Speed, Half/Full Duplex
  - Store-and-Forward Switching Architecture
  - Built-in Link Lose Forwarding(LLF) & Link Fault Pass-Through(LFP) Technology
  - Support Wide Operating Temperature (-40°C~75°C)

- **Power Supply**
  - Wide-range Redundant Power Design
  - Power Polarity Reverse Protect
  - Overload Current Re-settable Fuse Present

- **Case/Installation**
  - IP-30 Protection
  - DIN Rail and Wall Mount Design

- **Provides EFT protection 3000 VDC for power line**
- **Supports 4000 VDC Ethernet ESD protection**

Standard Compliance

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

Hardware Specification

Switch Architecture	Store and Forward
Fiber parameters	SC (Multimode): 50/125µm~62.5/125µm SC (Singlemode): 9/125µm Available distance: 2km (Multimode) / 30km (Singlemode) Wavelength: 1310nm (Multimode/Singlemode)
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)

Connector	Fiber: SC (Multimode, 2km), SC (Singlemode, 30km) RJ-45 Socket: CAT-3/5 (10/100Mbps) Twisted Pair cable Auto MDI/MDI-X and Auto-Negotiation Function Support
LED	Per unit: Power 1 (Green), Power 2 (Green), Fault(Red) TX: Link/Active (Green), 100M(Yellow) Fiber: Link/Active (Green), Full duplex/Collision (Yellow)
Reserve polarity protection	Present

Overload current protection	Present
Power Supply	DC 12~48V Redundant power with polarity reverse protect function and removable terminal block
Power Consumption	2.74 Watt
Operating Humidity	5%~95% (Non-condensing)
Operating Temperature	Standard: -10°C~60°C Wide Operating Temperature -40°C~75°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 EN61000-4-12, 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

Order Number	Product Family	Description
26170201	DragonLine	10/100TX to 100FX (SC/MM/2km) Industrial Ethernet Media Converter
26170251	DragonLine	10/100TX to 100FX (SC/SM/30km) Industrial Ethernet Media Converter
26170201E	DragonLine	10/100TX to 100FX (SC/MM/2km) Industrial Ethernet Media Converter Wide Operating Temperature (-40°C~75°C)
26170251E	DragonLine	10/100TX to 100FX (SC/SM/30km) Industrial Ethernet Media Converter Wide Operating Temperature (-40°C~75°C)