

## 10/100/1000TX to 1000SX(LX) Industrial Gigabit Ethernet Media Converter (Slimline)



### Benefits

<ul style="list-style-type: none"> <li>■ System Interface/Performance           <ul style="list-style-type: none"> <li>➢ UTP to Fiber Media Converter</li> <li>➢ RJ-45 port support Auto MDI/MDI-X Function</li> <li>➢ Auto Negotiation Speed, Half/Full Duplex</li> <li>➢ Store-and-Forward Switching Architecture</li> <li>➢ Built-in Link Lose Forwarding (LLF) &amp; Link Fault Pass-Through (LFP) Technology</li> <li>➢ Jumbo Frame: 9Kbytes</li> <li>➢ Wide Operating Temperature (-40°C~75°C)</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>■ Case/Installation           <ul style="list-style-type: none"> <li>➢ IP-30 Protection</li> <li>➢ DIN Rail and Wall Mount Design</li> </ul> </li> </ul>
<ul style="list-style-type: none"> <li>■ Power Supply           <ul style="list-style-type: none"> <li>➢ Wide-range Redundant Power Design</li> <li>➢ Power Polarity Reverse Protect</li> <li>➢ Overload Current Re-settable Fuse Present</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>■ Provides EFT protection 3000 VDC for power line</li> <li>■ Supports 6000 VDC Ethernet ESD protection</li> </ul>

### Standard Compliance

Standard	IEEE802.3 10BASE-T IEEE802.3u 100BASE-TX/100BASE-FX IEEE802.3ab 1000Base-T IEEE802.3x Flow Control and Back pressure IEEE802.3z 1000BaseSX/LX standards
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### Hardware Specification

Switch Architecture	Store and Forward
Fiber parameters	Fiber Core: Multimode (62.5/125µm, 50/125µm) Singlemode (9/125µm) Wavelength: 850nm(Multimode) 1310nm(Singlemode) Fiber Distance: 550m (Multimode) 10km (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 1: ON: Enables Power Alarm OFF: Disables Power Alarm DIP Switch 2: TX→Fiber LLF(Link Lose Forwarding) & LFP (Link Fault Pass-Through) Disable/Enable
DIP Switch	
Connector	Fiber: Duplex ST/SC/MT-RJ RJ-45 Socket: CAT-5 (10/100/1000Mbps) Twisted Pair cable Auto MDI/MDI-X and Auto-Negotiation Function Support Per unit: Power1 (Green), Power2 (Green), Fault(Red)
LED	Fiber: Link/Active (Green) TX: Link/Active (Green) 1000M (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	5.19Watt
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

Part Number	Product Family	Description
26 1170 201E	DragonLine	10/100/1000T to 1000SX (SC/MM/550m) Industrial Ethernet Media Converter Wide Operating Temperature (-40°C~75°C)
26 1170 251E	DragonLine	10/100/1000T to 1000LX (SC/SM/10km) Industrial Ethernet Media Converter Wide Operating Temperature (-40°C~75°C)