IEC-0101FT

1 10/100TX to 100M-FX Slim Type Converter

Lantech IEC-0101FT Industrial Converter is a slim type Industrial converter which has a unique DIP switch to adjust 100M duplex mode and LLF(Link Loss Forwarding) function.　Through the DIP switch, you can also set Power Alarm and Pure converter mode.

IEC-0101FT is designed to meet with critical network environment with IP 30 enclosure and test under extensive Industrial EMI and Safety standards.　IEC-0101FT supports EFT protection for 3000VDC power and 6000VDC Ethernet ESD protection.　.

Lantech's each UTP to Fiber converter equips LLF (Link Loss Forwarding) function for auto-cut off connection if one end of connection is disconnected. The built-in LFP (Link Fault Passthrough) scheme is to cut off Fiber TX or RX when either one has lost connection then trigger LLF to cut off all connection.　Smart LLF and LFP function alerts Central side Swith immediate remedy action when connection is lost

Lantech IEC-0101FT is the best Industrial converter for extend distance demand where are placed in outdoor or tight space cabinet for various applications like Factory Automation, Building Automation, SCADA, Warehousing, Traffic Control or Video Surveillance.

Features:

■ 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
- ➤ E model supports -40℃~75℃
- ➤ Built-in Link Lose Forwarding(LLF) & Link Fault Pass-Through (LFP) Technology

■ Power Supply
- ➤ Wide-range Redundant Power Design
- ➤ Overload current resettable Fuse Present
- ➤ Power Polarity Reverse Protect

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

■ Provides EFT protection 3000 VDC for power line
■ Supports 6000 VDC Ethernet ESD protection

Ordering Information

· IEC-0101FT……....…………….…......P/N:8350-020

1 10/100TX to 100FX Industrial Converter; -10 C to 60C

· IEC-0101FT-30KM...............…….......P/N:8350-021

1 10/100TX to 100FX 30KM Industrial Converter -10°C~60°C

· IEC-0101FT-E……....…………….......P/N:8350-025

1 100/100TX to 100FX Industrial Converter;　-40 C to 75C

· IEC-0101FT-30KM-E...............…….......P/N:8350-026

1 10//100TX to 100FX Industrial Converter 30KM; w/Wide Operating Temperature (-40°C~75°C)

Specification:

IEEE Standard	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX and 100Base-FX Fast Ethernet IEEE802.3x Flow Control and Back Pressure
Switch Architecture	Store-and –Forward Packet throughput ability (Full-Duplex): 1.488Mpps @64bytes
Transfer Rate	14,880pps for Ethernet port 148,800pps for Fast Ethernet port
MAC Address	2K MAC address table
Connector	SC (Multi-mode): 50/125um~62.5/125um SC (Single-mode): 9/125um Available distance: 2km (Multi-mode)/30km (Single-mode) Wavelength: 1310nm (Multi-mode/Single-mode) 10/100TX: 1 x RJ-45 with auto MDI/MDI-X function
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)
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)
Protocol	CSMA/CD
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)
Power Consumption	2.74 Watts
Overload current protection	Present
Reserve polarity protection	Present
Case Dimension	Metal case,IP-30; 30mm(W)x95mm(D)x140mm(H)
Operating Humidity	5%~95% (Non-condensing)
Operating Temperature	Standard: -10℃~60℃; Wide Operating Temperature (-40℃~75℃)
Storage Temperature	-40℃~85℃
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)
Power Supply	DC 12V-48V, Redundant power with polarity reverse protect function and removable terminal block

*Future Release
**Optional