

IPEC-0101FT

1 10/100TX to 100M-FX Slim Type Media Converter w/PoE injector



Features:

- System Interface/Performance
 - UTP to Fiber Media Converter
 - Built-in 1 port PoE Injector Function
 - RJ-45 port support Auto MDI/MDI-X Function
 - Auto Negotiation Speed, Half/Full Duplex
 - Store-and-Forward Switching Architecture
 - E model supports -40°C~75°C
 - Built-in Link Lose Forwarding(LLF) & Link Fault Pass-Through (LFP) Technology
- Power Supply
 - DC 48V Redundant Power Supply
 - 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

- IPEC-0101FT.....P/N:8350-900
1 10/100TX to 100FX Industrial Converter w/PoE injector; -10 C to 60C
- IPEC-0101FT-30KM.....P/N:8350-901
1 10/100TX to 100FX 30KM Industrial Converter w/PoE injector -10°C~60°C
- IPEC-0101FT-E.....P/N:8350-905
1 100/100TX to 100FX Industrial Converter w/PoE injector -40 C to 75C
- IPEC-0101FT-30KM-E.....P/N:8350-906
1 10/100TX to 100FX Industrial Converter 30KM w/PoE injector; w/Wide Operating Temperature (-40°C~75°C)

Lantech IPEC-0101FT Industrial PoE Converter is a slim type Industrial media converter with PoE injector built-in 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.

IPEC-0101FT is designed with PoE injector power feeder function (up to 15.4W) for single port PoE application complying with IEEE802.3af IPEC-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 Switch immediate remedy action when connection is lost

Lantech IPEC-0101FT is the best Industrial PoE 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.

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 IEEE 802.3af Power over Ethernet
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
PoE pin assignment	RJ-45 port # 1~# 4 support IEEE 802.3af End-point, Alternative A mode. Positive (VCC+): RJ-45 pin 1, 2. Negative (VCC-): RJ-45 pin 3, 6. Data (1,2,3,6)
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), Feeding Power (Green) Fiber: Link/Active (Green), Full duplex/Collision (Yellow)
Power Consumption	3.3Watts (without PoE); 16.4Watts (Full load with PoE)
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°C ~60°C; Wide Operating Temperature (-40°C ~75°C)
Storage Temperature	-40°C ~85°C
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	CE/EN60950-1
Stability Testing	IEC60068-2-32(Free fall), IEC60068-2-27(Shock), IEC60068-2-6(Vibration)
Power Supply	DC 48V, Redundant power with polarity reverse protect function and removable terminal block

*Future Release

**Optional