



## PDFC-130C:

Powered Device (PD) — PoE 10/100Base-TX to 100Base-FX Media Converter

### Key Features

- 10/100Base-TX UTP to 100Base-FX fiber media conversion
- IEEE802.3af PoE (Power over Ethernet) PD compatible
- Power from IEEE802.3af PSE or PoE injector
- LFP(Link Fault Pass-through) and Far End fault
- Choice of SC, ST, MTRJ, VF-45, BiDi or LC connectors for multimode and single mode
- DIP switch to set configurations
- RoHS Compliance

### Overview

IEEE802.3u 100Mbps Fast Ethernet supports two types of media, 10/100Base-TX and 100Base-FX, for network connection. LFP (Link Fault Pass Through) feature enhances the TP-Fiber Link integrity and conformity. Either one of TP or Fiber port is in link-fail state, the LFP converter forces the other port to be at link-disabled state.

### Technical Specifications

- **Standards:** IEEE802.3u 10/100Base-TX, 100Base-FX  
IEEE802.3af Power over Ethernet
- **Connectors:**  
10/100Base-TX: STP RJ-45  
100Base-FX: MM SC, SM SC, MM ST, SM SC, MM MTRJ, MM VF-45, SM BiDi, MM LC, SM LC
- **Fiber Cable:**  
50/125, 62.5/125 or 100/140µm multi-mode  
8.3/125, 8.7/125, 9/125 or 10/125µm single-mode
- **Data Transfer Rate:**

Speed	Forwarding Rate
100Mbps	148,800 PPS
10Mbps	14,880 PPS
- **Flow Control:**  
IEEE802.3x for full-duplex  
Backpressure flow control for half-duplex
- **PoE Power Reception Supports:**  
"Ethernet" via TP pin 1,2,3,6  
"Mid Span" via TP pin 4,5,7,8
- **LED Indicators:** Power, PoE, TP Link/Act, 100, FX Link/Act, FDX/COL
- **Power Requirement:**  
---1A@+5VDC from AC-DC Adapter  
---60mA@-48VDC from IEEE802.3af PSE or PoE injector
- **Operation Temperature:** 0 to 50°C
- **Humidity:** 5% ~ 90%
- **Dimensions:** 26.2(H) x 70.3(W) x 94(D) mm
- **Certification:** FCC Part 15 Class A & CE Mark

### Ordering Information

**PDFC-130ST:** PD(Powered Device) 10/100Base-TX to 100Base-FX Media Converter

**PDFC-130SC:** SC Multi-Mode,with USB jack

**PDFC-130SC.S05:** SC Single-Mode 5km,with USB jack

**PDFC-130SC.S20:** SC Single-Mode 20km,with USB jack

**PDFC-130SC.S40:** SC Single-Mode 40km,with USB jack

**PDFC-130SC.S60:** SC Single-Mode 60km,with USB jack

**PDFC-130SC.S80:** SC Single-Mode 80km,with USB jack

**PDFC-130SC.SA0:** SC Single-Mode 100km,with USB jack

**PDFC-130BS3.S20:** Bidi-SC 20km,1310nm,with USB jack

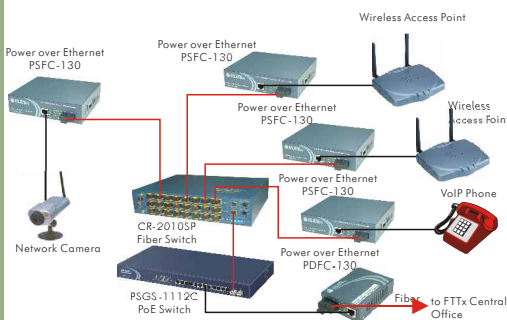
**PDFC-130BS3.S40:** Bidi-SC 40km,1310nm,with USB jack

**PDFC-130BS3.S60:** Bidi-SC 60km,1310nm,with USB jack

**PDFC-130BS5.S20:** Bidi-SC 20km,1550nm,with USB jack

**PDFC-130BS5.S40:** Bidi-SC 40km,1550nm,with USB jack

**PDFC-130BS5.S60:** Bidi-SC 60km,1550nm,with USB jack



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