



## PSFC-130C:

Power Source Equipment (PSE) – 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) PSE compatible
- Internal AC/ DC power supply (Optional)
- Over-current protection
- Under-current detection
- Minimum load sensing
- Fault Protection Input
- PSE MDI power enable/disable
- 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

PSFC-130 is a 10/100Base-TX to 100Base-FX media converter, which allows two types of network segments to be connected easily and inexpensively. Complied with IEEE802.3af Power Over Ethernet standard, this AC/DC powered PoE media converter is a Power Sourcing Equipment (PSE) which combines data received over a fiber optic link with 48VDC power, providing power to IEEE802.3af powered device (PD) over the existing CAT UTP cable. The converter includes a PD signature sensing and power monitoring features. Other features include over-current protection, under-current detection and fault protection input. The LFP (Link Fault Pass-through) allows the media converter to monitor both the fiber and copper RX ports for loss of signal. In case of a loss of RX signal on one media port, the converter will automatically disable the TX signal to the other media port, thus passing through the link fault. FEF (Far End Fault) enables the converter to stop

### Technical Specifications

- **Standards:** IEEE802.3u 10/100Base-TX, 100Base-FX, IEEE802.3af
- **Connectors:**
  - 10/100Base-TX: STP RJ-45
  - 100Base-FX: MM SC, SM SC, MM ST, SM ST, MM MTRJ, MM VF-45, SM BiDi, MM LC, SM, LC
- **Cable:**
  - Cat. 5 cable (supports distance up to 100m)
  - Fiber(MM): 50/125, 62.5/125, 100/140µm (supports distance up to 2km)
  - Fiber(SM): 8.3/125, 8.7/125, 9/125, 10/125µm (supports distance up to 100km)
- **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
- **Power Requirement:** AC 100 ~ 240 V, 47 ~ 63 Hz  
DC 48V (44~57V)
- **Power Consumption:** AC 24W Max  
DC 15.4W Max
- **Operation Temperature:** 0~50°C / -10~60°C (Industrial)
- **Humidity:** 5%~ 90%
- **Dimensions:** 40 (H) x 158 (W) x 133 (D) mm
- **Certification:** FCC Part 15 Class A & CE Mark

### Packing Information

Carton Dimensions (mm)	pcs/Carton	N.W (KG)	G.W (KG)
530x512x345	14	16.4	17.4

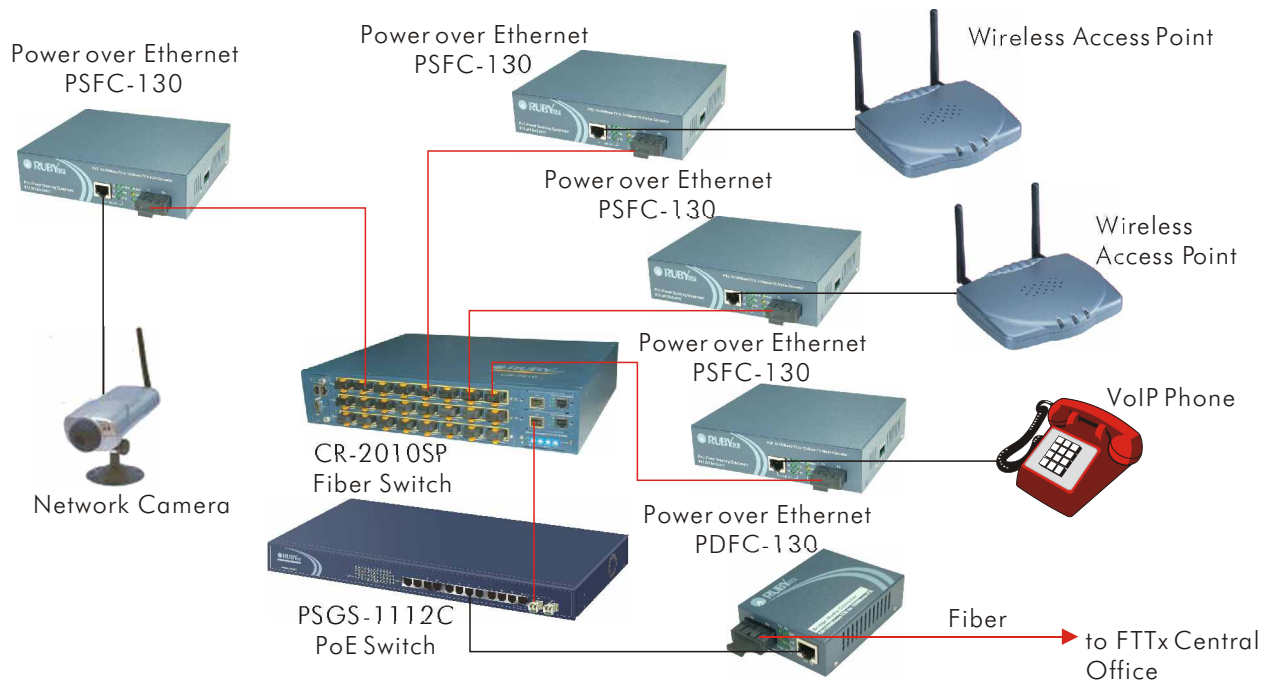
### Ordering Information

<b>PSFC-130ST</b>	PSE(Power Source Equipment) 10/100Base-TX to 100Base-FX Media Converter
<b>PSFC-130SC</b>	SC Multi-Mode
<b>PSFC-130SC.S05</b>	SC Single-Mode 5km
<b>PSFC-130SC.S20</b>	SC Single-Mode 20km
<b>PSFC-130SC.S40</b>	SC Single-Mode 40km
<b>PSFC-130SC.S60</b>	SC Single-Mode 60km
<b>PSFC-130SC.S80</b>	SC Single-Mode 80km
<b>PSFC-130SC.SA0</b>	SC Single-Mode 100km
<b>PSFC-130BS3.S20</b>	Bidi-SC 20km, 1310nm
<b>PSFC-130BS3.S40</b>	Bidi-SC 40km, 1310nm

sending link pulse to the link partner once a loss of the fiber RX signal is encountered. Then the link partner will synchronously stop sending data. FEF prevents loss of valuable data transmitted over invalid link. Combining LFP and FEF troubleshooting features of PSFC-130, both end devices can be notified of a loss of fiber link.

<b>PSFC-130BS3.S60</b>	Bidi-SC 60km,1310nm
<b>PSFC-130BS5.S20</b>	Bidi-SC 20km,1550nm
<b>PSFC-130BS5.S40</b>	Bidi-SC 40km,1550nm
<b>PSFC-130BS5.S60</b>	Bidi-SC 60km,1550nm

※ AC/ DC power or Industrial spec. are upon request


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