Optolinx FCU-1802P

100BaseFX to 10/100BaseTX PoE (Power over Ethernet) Media Converter



Features

- Complies with IEEE 802.3, 802.3u, 802.3af (PoE) Standards
- Auto-Negotiation for 10/100Base-TX Half or Full-Duplex Mode
- Auto-MDI/MDI-X Function on Copper Port
- IEEE 802.3x Full Duplex Flow control & Back Pressure in Half Duplex
- Provides DC 48V Power over RJ-45 Ethernet Cable
- Auto-Detect PoE IEEE 802.3af Equipments
- Compact Size, Easy Installation

Specifications

Standard
- IEEE 802.3 Ethernet
- IEEE 802.3u Fast Ethernet
- IEEE 802.3x Flow Control
- IEEE 802.3af Power over Ethernet

Interface
- 1 x 10/100BaseTX RJ-45 Port, Auto-Negotiation, Auto-MDI/MDI-X with PoE Injector Funcation
- 1 x 100BaseFX Port

Fiber Connector
- FCU-1802P-SC: SC / Multi-Mode
- FCU-1802P-SC-S15: SC / Single-Mode

Typical Distance
- FCU-1802P-SC: 2km
- FCU-1802P-SC-S15: 15km

Wavelength
- 1310nm

Minimum TX Power
- FCU-1802P-SC: -19 dBm
- FCU-1802P-SC-S15: -20 dBm

Maximum TX Power
- FCU-1802P-SC: -14 dBm
- FCU-1802P-SC-S15: -7 dBm

Receive Sensitivity
- FCU-1802P-SC: -34.5 dBm
- FCU-1802P-SC-S15: -28 dBm

Maximum Input Power
- FCU-1802P-SC: -14 dBm
- FCU-1802P-SC-S15: -8 dBm

Switch Architecture
- Store-and-Forward

Flow Control
- Back Pressure for Half-Duplex
- IEEE 802.3x Pause Frame for Full-Duplex Mode

LED
- Power/Status, TP Link/ACT, Fiber Link/ACT, PoE

LFP Mode
- Enable: If either TP or FX port is broken, shut down the other port
- Disable: Link LED indicators still on if connection is broken

Power Output
- PoE 48V DC, Max. 15.4W, 350mA

Power Pin Assignment
- 1/2(+), 3/6(-)

Power
- 48V DC, 0.4A External AC-DC Adapter

Operation Temperature
- 0° C to 50° C (32° F to 122° F)

Storage Temperature
- -10° C to 70° C (14° F to 158° F)

Operation Humidity
- 5% to 90% (Non-condensing)

Case Dimension (W x D x H)
- 97 x 70 x 26mm

Weight
- 200g

Emission/Safety
- FCC Part 15 Class A, CE

Warranty
- 2-Year Warranty

Ordering Information

FCU-1802P-SC	100BaseFX to 10/100BaseTX PoE Media Converter, Multi-Mode, SC, 2km
FCU-1802P-SC-S15	100BaseFX to 10/100BaseTX PoE Media Converter, Single-Mode, SC, 15km

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