

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 Function
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

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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