

# Optolinx FCU-2802SC

10/100/1000BaseT to 1000BaseSX/LX Gigabit Media Converter



## Features

- ▶ Complies with IEEE 802.3, 802.3u, 802.3ab, 802.3z
- ▶ TP port supports 10/100/1000Base-T auto-negotiation and Auto-MDI/MDI-X
- ▶ IEEE 802.3x Full-Duplex Flow-Control & Back-Pressure in Half-Duplex
- ▶ Supports Auto MDI/MDI-X function
- ▶ Store-and-Forward mechanism
- ▶ Non-blocking full wire-speed forwarding rate
- ▶ Compact size for easy installation

## Specifications

### Standard

IEEE 802.3 10BaseT  
IEEE 802.3u 100BaseTX  
IEEE 802.3ab 1000BaseT  
IEEE 802.3z 1000BaseSX/LX

### Interface

1 x 1000BaseT RJ-45 Port (Auto-MDI/MDI-X) Twisted Pair  
1 x 10/100/1000BaseT Port  
1 x 1000BaseSX/LX Port

### Data Transfer Rate

TP: 10/20Mbps for Half/Full-Duplex  
100/200Mbps for Half/Full-Duplex  
2000Mbps for Full-Duplex  
Fiber: 2000Mbps for Full-Duplex

### Fiber Connector

FCU-2802SC: SC / Multi-Mode  
FCU-2802SC-S10: SC / Single-Mode

### Wavelength

FCU-2802SC: 850nm  
FCU-2802SC-S10: 1310nm

### Typical Distance

FCU-2802SC: 220m ~ 550m  
FCU-2802SC-S10: 10km

### LED

Power, TP Link/ACT, Fiber Link/ACT

### DIP Switch

LFP Function (Disable/Enable) Setting

### Power

5V DC, 2A

### Power Consumption

5 Watts Max. / 17 BTU Max

### 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

### Emission/Safety

FCC Class A, CE Class A

### Warranty

2-Year Warranty

## Ordering Information

FCU-2802SC  
FCU-2802SC-S10

10/100/1000BaseT to 1000BaseSX/LX Gigabit Media Converter, Multi-Mode, 550m  
10/100/1000BaseT to 1000BaseSX/LX Gigabit Media Converter, Single-Mode, 10km

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