

# Optolinx FCU-3002A-SFP-DR

Gigabit Ethernet 10/100/1000BaseT to 100/1000BaseX (SFP) Media Converter

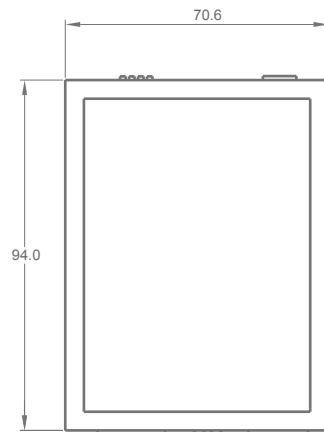


## Features

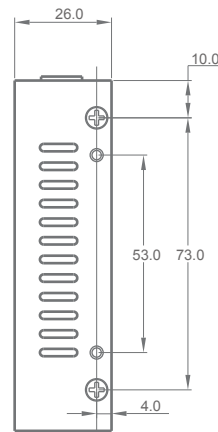
- ▶ Complies with IEEE 802.3u/ab 10/100/1000BaseT
- ▶ Complies with IEEE 802.3z 1000BaseX
- ▶ Dual Rate Fiber
- ▶ Supports Jumbo Frame (9K bytes)
- ▶ Store-and-Forward Switching Mechanism
- ▶ Auto-Crossover for MDI/MDIX in TP Port
- ▶ Auto-Negotiation in TP Port
- ▶ Supports 1 SFP Slot
- ▶ Supports Flow Control
- ▶ Supports Link Alarm
- ▶ Supports Auto & Force Mode Configuration
- ▶ 5-Year Warranty



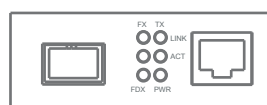
## ▶ Specifications



Top View



Side View



Panel View



Rear View

## ► Specifications

### Standard

IEEE 802.3 10BaseT  
IEEE 802.3u 100BaseTX/FX  
IEEE 802.3ab 1000BaseT  
IEEE 802.3z 1000BaseX  
IEEE 802.3x Flow Control

### Interface

10/100/1000BaseT: 1 x RJ45 Port  
100/1000BaseX: 1 x SFP Slot

### Wavelength

\*See SFP Specifications

### Typical Distance

\*See SFP Specifications

### Minimum TX Power

\*See SFP Specifications

### Maximum TX Power

\*See SFP Specifications

### Sensitivity

\*See SFP Specifications

### Link Budget

\*See SFP Specifications

### LED

Power, FDX, Status, Speed, FO Link/ACT, TX Link/ACT

### MAC Address Table

1 K

### Memory Buffer

32 K

### Forward/Filter Rate

10M: 14,880/14,880pps  
100M: 148,800/148,800pps  
1000M: 1,488,000/1,488,000pps

### Power Requirement

AC Input: 100VAC~240VAC  
Frequency Range: 50, 60 Hz  
DC output: 5V, 2A

### Power Consumption

2.2 Watts

### Operation Temperature

0° C to 50° C (32° F to 122° F)

### Storage Temperature

-20° C to 60° C (-4° F to 140° F)

### Operation Humidity

5% to 90% (Non-condensing)

### Mechanical

Casing: IP30 Metal Case  
Dimension (W x H x D): 71 x 94 x 26 mm (2.80 x 3.70 x 1.02 inches)  
Weight: 0.6 Kg (1.3 lbs)  
Installation: DIN-Rail/Wall Mountable

### Emission/Safety

FCC Class A, CE

### Warranty

5-Year Warranty

## ► Ordering Information

FCU-3002A-SFP-DR

Gigabit Ethernet 10/100/1000BaseT to 100/1000BaseX (SFP) Media Converter, Standalone Module \*\*\*

\*\*\* SFP MODULES SOLD SEPARATELY \*\*\*

### Optional Accessories

SFP-100M

100Mbps SFP Module, Multi-Mode, 2Km

SFP-100S20

100Mbps SFP Module, Single-Mode, 20Km

SFP-M

Gigabit SFP Module, Multi-Mode, 550m

SFP-S10

Gigabit SFP Module, Single-Mode, 10Km

FCU-BK

Mounting Brackets for FCU Modules

DIN-RAIL-KIT

DIN-Rail Mounting Kit

### Antaira Technologies

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