Optolinx FCU-3002A

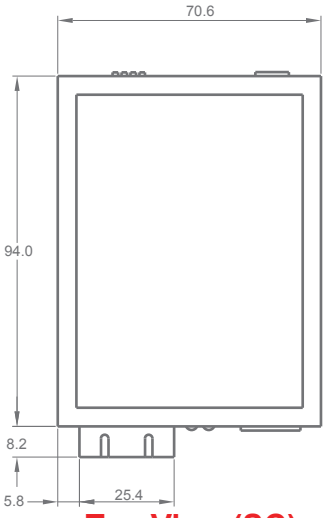
10/100/1000BaseT to 1000BaseX Media Converter



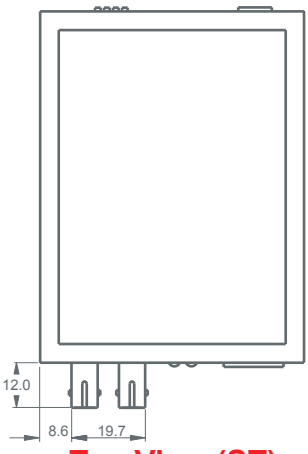
Features

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

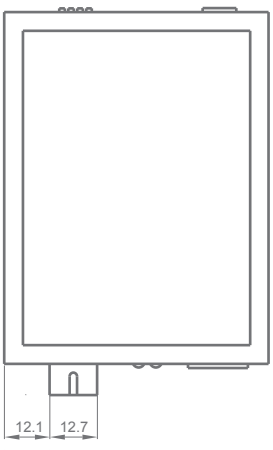
Specifications



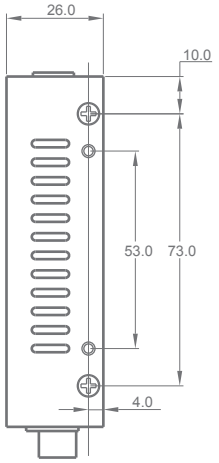
Top View (SC)



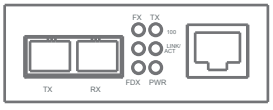
Top View (ST)



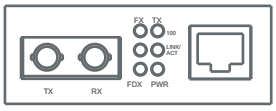
Top View (WDM)



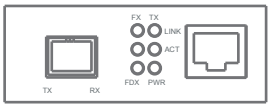
Side View



Panel View (SC)



Panel View (ST)



Panel View (WDM)



Rear View

Antaira Technologies - Toll-Free: (877) 229-3665 - Phone: (714) 671-9000 - FAX: (714) 671-9944 - e-Mail: info@antaira.com - Website: http://www.antaira.com

Specifications

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

Interface
10/100/1000BaseT: 1 x RJ45 Port
1000BaseX: 1 x Port

Wavelength
FCU-3002A-SC: 850nm
FCU-3002A-SC-S1/S2: 1310nm
FCU-3002A-WA: TX-1310nm; RX-1550nm
FCU-3002A-WB: TX-1550nm; RX-1310nm

Typical Distance
FCU-3002A-SC: 550 m
FCU-3002A-SC-S1: 10 Km
FCU-3002A-SC-S2: 20 Km
FCU-3002A-WA/WB-S1: 10 Km
FCU-3002A-WA/WB-S2: 20 Km

Minimum TX Power
FCU-3002A-SC: -9.5 dBm
FCU-3002A-SC-S1: -9.0 dBm
FCU-3002A-SC-S2: -6.0 dBm
FCU-3002A-WA/WB: -9.0 dBm

Maximum TX Power
FCU-3002A-SC: -4.0 dBm
FCU-3002A-SC-S1: -3.0 dBm
FCU-3002A-SC-S2: -1.0 dBm
FCU-3002A-WA/WB: -2.0 dBm

Sensitivity
FCU-3002A-SC: -18.0 dBm
FCU-3002A-SC-S1: -21.0 dBm
FCU-3002A-SC-S2: -21.0 dBm
FCU-3002A-WA/WB: -21.0 dBm

Link Budget
FCU-3002A-SC: 8.5 dB
FCU-3002A-SC-S1: 12.0 dB
FCU-3002A-SC-S2: 15.0 dB
FCU-3002A-WA/WB: 12.0 dB

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

MAC Address Table
1 K

Memory Buffer
128 KB

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

Power
External Power Supply: DC 5V, 1.5A
50, 60 Hz

Power Consumption
3 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-SC	10/100/1000T - 1000X Media Converter, Standalone Module, Multi-Mode, SC, 550m
FCU-3002A-SC-S1	10/100/1000T - 1000X Media Converter, Standalone Module, Single-Mode, SC, 10Km
FCU-3002A-SC-S2	10/100/1000T - 1000X Media Converter, Standalone Module, Single-Mode, SC, 20Km
FCU-3002A-WA-S1	10/100/1000T - 1000X Single-Strand Fiber (WDM), Standalone Module, Single-Mode, SC, 10Km, TX-1310nm; RX-1550nm
FCU-3002A-WB-S1	10/100/1000T - 1000X Single-Strand Fiber (WDM), Standalone Module, Single-Mode, SC, 10Km, TX-1550nm; RX-1310nm
FCU-3002A-WA-S2	10/100/1000T - 1000X Single-Strand Fiber (WDM), Standalone Module, Single-Mode, SC, 20Km, TX-1310nm; RX-1550nm
FCU-3002A-WB-S2	10/100/1000T - 1000X Single-Strand Fiber (WDM), Standalone Module, Single-Mode, SC, 20Km, TX-1550nm; RX-1310nm

Optional Accessories

AD-SCM-STF-M	SC (Male) to ST (Female) Duplex Adapter (Multi-Mode)
AD-SCM-STF-S	SC (Male) to ST (Female) Duplex Adapter (Single-Mode)
FCU-BK	Mounting Brackets for FCU Modules
DIN-RAIL-KIT	DIN-Rail Mounting Kit

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