FCU-3003-SFP

10/100/1000Tx to 1000SX/LX Media Converter with SFP Slot
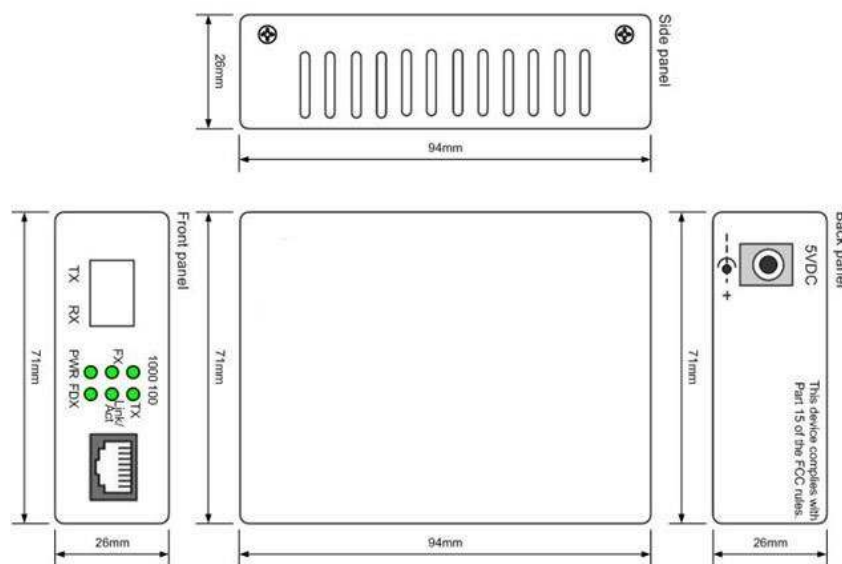
Features

► **Complies with IEEE 802.3/u/ab 10/100/1000BaseTx**
► **Complies with IEEE 802.3z 1000BaseFx**
► **Supports SFP Connector**
► **Store and Forward Switching Architecture**
► **Supports 1.6Kbytes Jumbo Frame**
► **Supports Overload Current Protection**
► **Supports Power Reverse Polarity Protection**
► **IP30 Rugged Metal Case Design**
► **DIN-Rail and Wall Mount Support**
► **Not Compatible with FCU-Rack System**
► **5-Year Warranty**

INTRODUCTION

Antaira Technologies' FCU-3003-SFP is a compact gigabit fiber to 10/100/1000 Ethernet media converter. The FCU-3003-SFP is housed in an industrial metal case and conforms to the FCC emission standards. The FCU-3003-SFP features a standard LC fiber connector as well as the copper STP-RJ45 Ethernet connector. The FCU-3003-SFP is fully compliant with the IEEE 802.3z 1000Base-SX/LX and IEEE 802.3ab, 1000Baes-T. The FCU-3003-SFP features LED lights that provide indicators for Power, TP-Link/ACT, and Fiber Link/ACT. The FCU-3003-SFP is a flexible gigabit media converter, capable of the ever-changing environment with hot swap-able SFP ports.

DIMENSIONS

SPECIFICATIONS

Technology

Standards	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000BaseT IEEE 802.3z 1000Base
Processing Type	Store and Forward
Flow Control	IEEE 802.3x back pressure flow control

Properties

Transfer Rate	14,880pps for Ethernet port 148,800pps for Fast Ethernet port 1,488,000pps for Gigabit Ethernet port
Packet Buffer	128KB
Jumbo Frame	1.6Kbytes
MAC Table Size	2K

Interface

Ethernet Port	1*10/100/1000Base-TX Auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
SFP Port	1*SFP Slot
Wavelength	SFP dependent
Distance	SFP dependent
LED Indicators	PWR (power supply) FL/A (optical link/action) FDX (FX full duplex) TL/A (twisted pairs link/action) 100 (100M transmission rate of twisted pairs) 1000 (1000M transmission rate of twisted pairs)

Mechanical Characteristics

Housing	Metal, IP30 rated
Dimension	71 x 94 x 26 mm (W x H x D)
Weight	Unit: 0.88 lb. Shipping: 1.08 lbs
Mounting	DIN-Rail mounting, Wall mounting, Chassis mounting

Power Requirement

Input Voltage	External Power Supply: DC 5V, 1.5A
Power Connection	1*external power adaptor
Overload Current Protection	Present
Reverse Polarity Protection	Present
System Power Consumption	3W

Environmental Limits

Operating Temperature	-10°C to 55°C
Storage Temperature	-40°C ~ 70°C
Ambient Relative Humidity	5 to 95%, (non-condensing)

Regulatory Approvals

Green	RoHS Compliant
Certifications	FCC, CE
Warranty	5 Years

ORDERING INFO

FCU-3003-SFP	10/100/1000Tx to 1000SX/LX Media Converter with SFP Slot