FCU-3003-XX Series

10/100/1000Tx to 1000LX Media Converter, Single or Multi-Mode



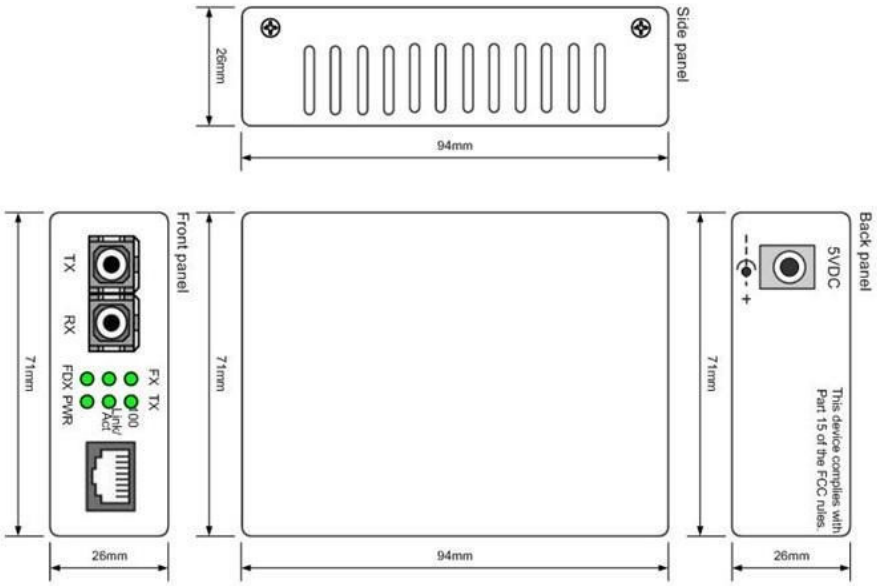
Features

- **Complies with IEEE 802.3/u/ab 10/100/1000BaseTx**
- **Complies with IEEE 802.3z 1000BaseFx**
- **Supports SC 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-XX Series is a compact, single or multi-mode Gigabit media converter. The FCU-3003-XX Series will take 10/100/1000BaseT copper Ethernet and convert it to 1000BaseX fiber. The FCU-3003-XX Series features a standard SC fiber connector as well as the STP-RJ45 Ethernet connector. The copper media converter is fully compliant with IEEE 802.3z and 802.3u Fast Ethernet standards. The industrial media converter features LED diagnostics for power, activity, link, and Full/Half Duplex operations. The FCU-3003-XX Series gigabit media converter uses multimode 850NM fiber with an SC connector and is capable of communication of up to 550 meters.

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
Fiber Port	1*1000Base-Fx (SC/FC/ST/WA/WB)
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
Power Requirement	
Input Voltage	External Power Supply: DC 5V, 1.5A 50, 60 Hz
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-SC	10/100/1000Tx to 1000SX Media Converter, Multi-Mode 550M, SC Connector
FCU-3003-SC-S1	10/100/1000Tx to 1000LX Media Converter, Single-Mode 10KM, SC Connector
FCU-3003-SC-S2	10/100/1000Tx to 1000LX Media Converter, Single-Mode 20KM, SC Connector
FCU-3003-WA-S1	10/100/1000Tx to 1000LX Single Fiber (WDM-A) Media Converter, Single-Mode 10KM
FCU-3003-WB-S1	10/100/1000Tx to 1000LX Single Fiber (WDM-B) Media Converter, Single-Mode 10KM
FCU-3003-WA-S2	10/100/1000Tx to 1000LX Single Fiber (WDM-A) Media Converter, Single-Mode 20KM
FCU-3003-WB-S2	10/100/1000Tx to 1000LX Single Fiber (WDM-B) Media Converter, Single-Mode 20KM