

# FCU-3003-XX Series

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



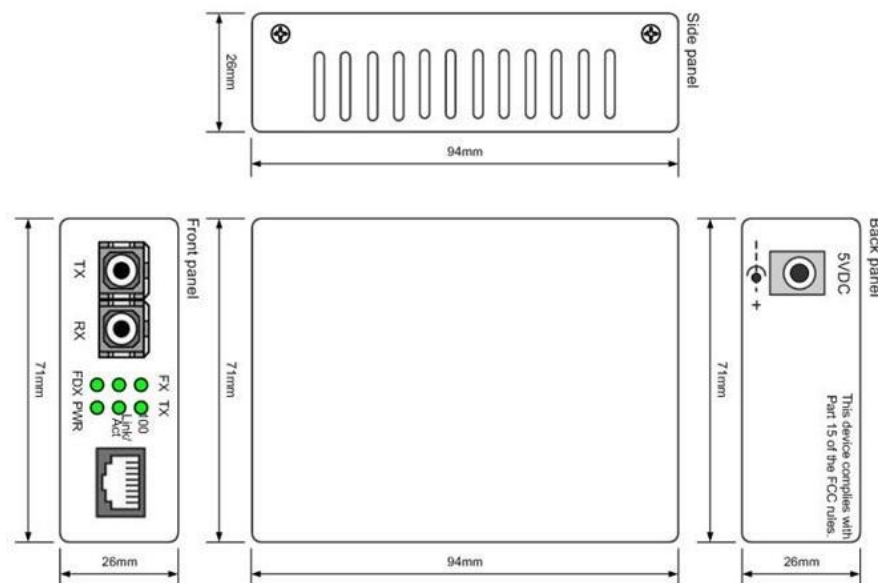
## Features

- ▶ 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		Mechanical Characteristics	
Standards	IEEE 802.3 10Base-T Ethernet	Housing	Metal, IP30 rated
	IEEE 802.3u 100Base-TX Fast Ethernet	Dimension	71 x 94 x 26 mm (W x H x D)
	IEEE 802.3ab 1000BaseT	Weight	Unit: 0.88 lb Shipping: 1.08 lbs
	IEEE 802.3z 1000Base	Mounting	DIN-Rail mounting, Wall mounting
Processing Type	Store and Forward	Power Requirement	
Flow Control	IEEE 802.3x back pressure flow control	Input Voltage	External Power Supply: DC 5V, 1.5A 50, 60 Hz
Properties		Overload Current Protection	Present
Transfer Rate	14,880pps for Ethernet port	Reverse Polarity Protection	Present
	148,800pps for Fast Ethernet port	System Power Consumption	3W
Packet Buffer	1,488,000pps for Gigabit Ethernet port	Environmental Limits	
Jumbo Frame	128KB	Operating Temperature	-10°C to 55°C
MAC Table Size	1.6Kbytes	Storage Temperature	-40°C ~ 70°C
Interface		Ambient Relative Humidity	5 to 95%, (non-condensing)
Ethernet Port	1*10/100/1000Base-TX	Regulatory Approvals	
	Auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection	Green	RoHS Compliant
Fiber Port	1*1000Base-Fx (SC/FC/ST/WA/WB)	Certifications	FCC, CE
LED Indicators	PWR (power supply)	Warranty	5 Years
	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)		

## 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