FCU-100-V2 Series

10/100TX to 100FX Media Converter, Multi-Mode or
Single-Mode, SC / ST Connector; Version 2 Hardware

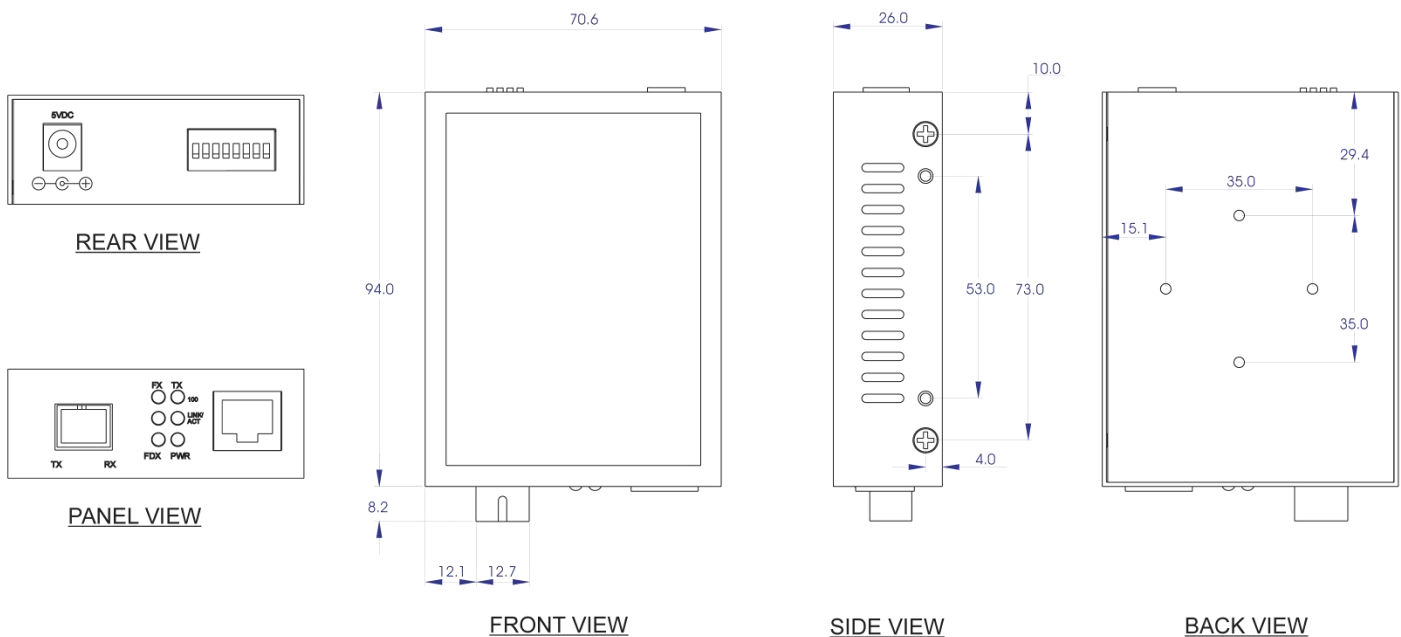## Features

► **Complies with IEEE 802.3 100BaseT & IEEE 802.3u 100BaseTX/FX Standards**
► **Supports Store-and-Forward Switching Mechanism**
► **10/100Mbps Auto Negotiation**
► **Supports 9K Bytes Jumbo Frame Size**
► **Supports Link Alarm and Rear Panel DIP Switch**
► **Supports 2K MAC Address**
► **Supports 128K Bytes Packet Buffer**
► **Configuration DIP Switch Supports Auto, Speed, Duplex, Auto MDI/MDIX, and Link-Fault-Pass-Through**
► **Operating Temperature Range: 0°C to 50°C**
► **Rackmount & Wall-Mountable**
► **5-Year Warranty**

INTRODUCTION

Antaira Technologies' FCU-100-V2 series is a compact fiber to Ethernet media converter housed in a metal case and conforms to the FCC emissions standards. The FCU-100-V2 series features a standard SC or ST fiber connector as well as the RJ45 Ethernet connector. The copper media converter is fully compliant with IEEE 802.3 and 802.3u Fast Ethernet. The industrial media converter features LED diagnostics for power, activity, link and Full/Half Duplex operations. The FCU-100-V2 series is a 10/100 multi-mode or single-mode fiber media converter capable of communication up to 30KM depending on the model of the series.

DIMENSIONS

UNIT:MM

REAR VIEW

PANEL VIEW

FRONT VIEW

SIDE VIEW

BACK VIEW

SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX/FX Fast Ethernet
Processing Type	Store and Forward

Switch Properties	
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port
Jumbo Frame	9Kbytes
MAC Table Size	2K
Packet Buffer	128Kbytes

Interface	
Ethernet Port	1*10/100BaseT(X) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDIX connection
Fiber Port	1*100Base-FX
LED Indicators	Power, FDX, Status, Speed, F/O Link/Act, TX Link/Act

Mechanical Characteristics	
Dimensions	71 x 26 x 94 mm (W x H x D)
Weight	Unit: 0.45 lb. Shipping: 1.00 lb.
Mounting	Rackmount / Wall mounting

Power Requirement	
AC Input	100VAC~240VAC
DC Output	5V
System Power Consumption	2.2W
Frequency Range	50~60Hz

Environmental Limits	
Operating Temperature	0°C ~ 50°C
Storage Temperature	-20°C ~ 60°C
Ambient Relative Humidity	5% to 90%, (non-condensing)

Regulatory Approvals	
Safety	FCC Class A, CE
Warranty	5 Years

ORDERING INFO

Model	Description
FCU-100SC-V2	10/100TX to 100FX Media Converter, Multi-Mode 2KM, SC Connector; Version 2 Hardware
FCU-100SC-S3-V2	10/100TX to 100FX Media Converter, Single-Mode 30KM, SC Connector; Version 2 Hardware
FCU-100ST-V2	10/100TX to 100FX Media Converter, Multi-Mode 2KM, ST Connector; Version 2 Hardware
FCU-100ST-S3-V2	10/100TX to 100FX Media Converter, Single-Mode 30KM, ST Connector; Version 2 Hardware
FCU-100WA-M-V2	10/100TX to 10/100FX Single Fiber (WDM) Media Converter, Multi-Mode 2KM, TX1310nm - RX1550nm; Version 2 Hardware
FCU-100WB-M-V2	10/100TX to 10/100FX Single Fiber (WDM) Media Converter, Multi-Mode 2KM, TX1550nm - RX1310nm; Version 2 Hardware
FCU-100WA-S2-V2	10/100TX to 10/100FX Single Fiber (WDM) Media Converter, Single-Mode 20KM, TX1310nm - RX1550nm; Version 2 Hardware
FCU-100WB-S2-V2	10/100TX to 10/100FX Single Fiber (WDM) Media Converter, Single-Mode 20KM, TX1550nm - RX1310nm; Version 2 Hardware