EMC-0201 Series

10/100TX to 100FX Enterprise Media Converter, Multi-Mode or Single-Mode, SC / ST Connector

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/MDI-X, and Link-Fault-Pass-Through**
► **Rackmount or Wall Mountable**
► **Operating Temperature Range: 0°C to 50°C**
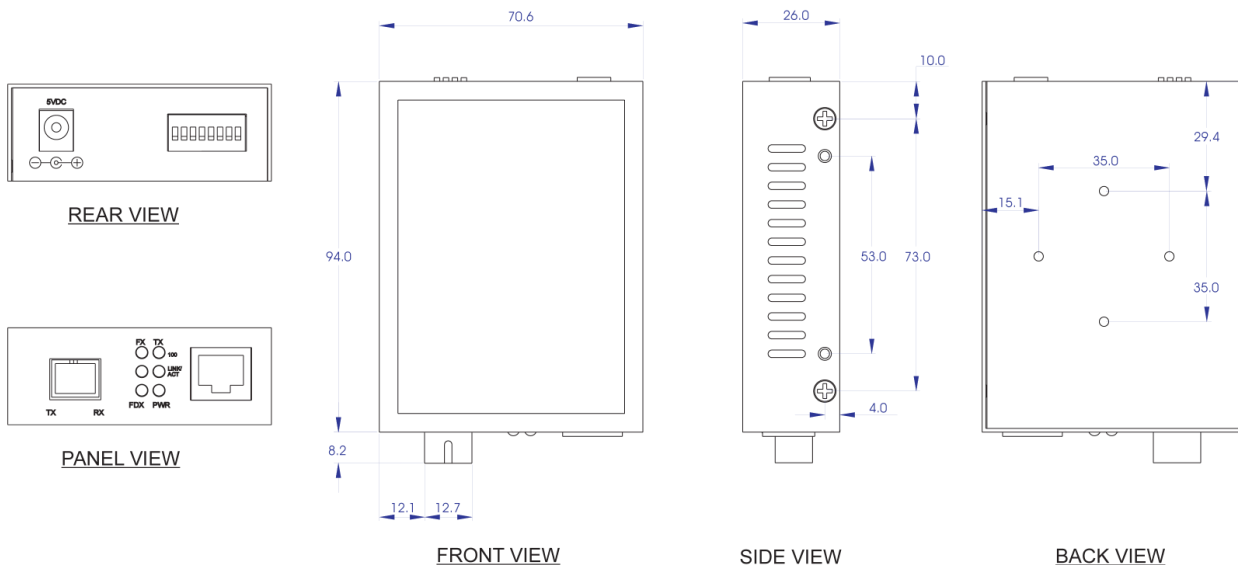► **5-Year Warranty**

INTRODUCTION

Antaira Technologies' EMC-0201 series is a compact fiber to Ethernet media converter housed in a metal case and conforms to the FCC emissions standards. The EMC-0201 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 EMC-0201 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 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet

SWITCH PROPERTIES

Processing Type	Store and Forward
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port
MAC Table Size	2K
Jumbo Frame	9Kbytes
Memory Buffer	128Kbytes

PORT INTERFACE

Ethernet Port	1*10/100/1000Base-TX Auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
Fiber Port	1*100Base-FX
LED Indicators	Power, FDX, Status, F/O Link/Act, TX Link/Act

MECHANICAL CHARACTERISTICS

Housing	Metal, IP30 protection
Dimension	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 to 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 INFORMATION

EMC-0201-SC-M	10/100TX to 100FX Enterprise Media Converter, Multi-Mode 2KM, SC Connector
EMC-0201-SC-S3	10/100TX to 100FX Enterprise Media Converter, Single-Mode 30KM, SC Connector
EMC-0201-ST-M	10/100TX to 100FX Enterprise Media Converter, Multi-Mode 2KM, ST Connector
EMC-0201-ST-S3	10/100TX to 100FX Enterprise Media Converter, Single-Mode 30KM, ST Connector
EMC-0201-WA-M	10/100TX to 100FX Single Fiber (WDM) Enterprise Media Converter, Multi-Mode 2KM, TX1310nm - RX1550nm
EMC-0201-WB-M	10/100TX to 100FX Single Fiber (WDM) Enterprise Media Converter, Multi-Mode 2KM, TX1550nm - RX1310nm
EMC-0201-WA-S2	10/100TX to 100FX Single Fiber (WDM) Enterprise Media Converter, Single-Mode 20KM, TX1310nm - RX1550nm
EMC-0201-WB-S2	10/100TX to 100FX Single Fiber (WDM) Enterprise Media Converter, Single-Mode 20KM, TX1550nm - RX1310nm