

EMC-0201G Series

10/100/1000TX to 1000FX Enterprise Media Converter, Multi-Mode or Single-Mode, SC / ST Connector or SFP Slot



FEATURES

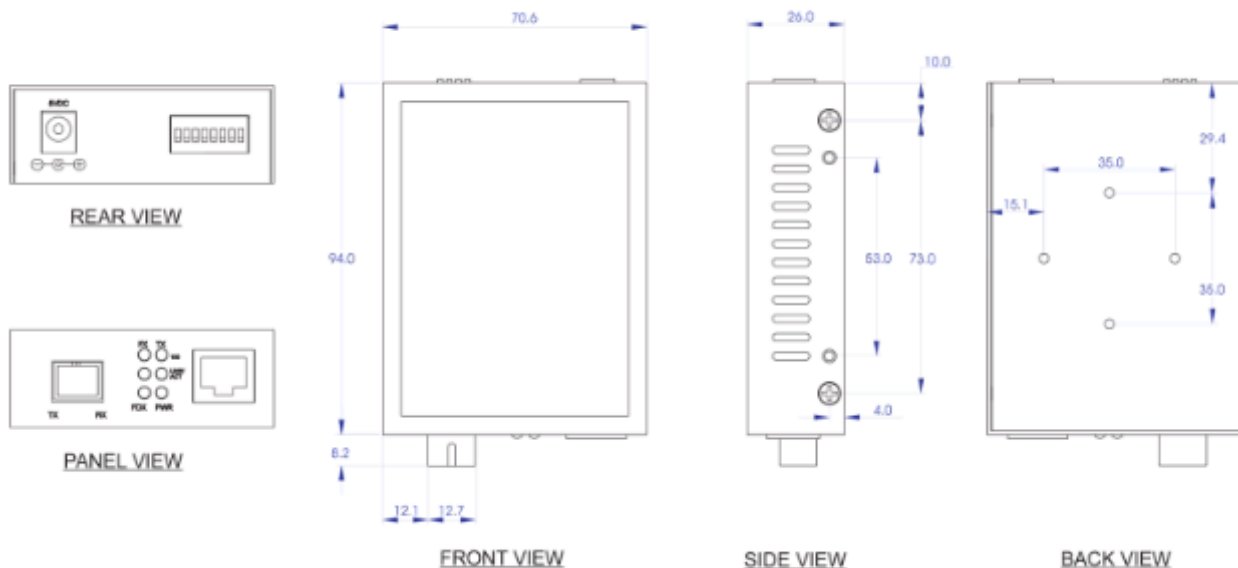
- ▶ Complies with IEEE 802.3/u/ab 10/100/1000BaseT Standards
- ▶ Complies with IEEE 802.3z 1000BaseX
- ▶ Supports Store-and-Forward Switching Mechanism
- ▶ 10/100Mbps Auto Negotiation
- ▶ Supports 9K Bytes Jumbo Frame Size
- ▶ Supports Link Alarm and Rear Panel DIP Switch
- ▶ Supports 1K MAC Address
- ▶ 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-0201G series is a compact fiber to Ethernet media converter housed in a metal case and conforms to the FCC emissions standards. The EMC-0201G series features a standard SC fiber connector as well as an RJ45 Ethernet connector. The copper media converter is fully compliant with IEEE 802.3, 802.3u, and 802.3ab Gigabit Ethernet. The industrial media converter features LED diagnostics for power, activity, link and Full/Half Duplex operations. The EMC-0201G series is a 10/100/1000 multi-mode or single-mode fiber media converter capable of communication up to 60KM depending on the model of the series.

DIMENSIONS



SPECIFICATIONS

TECHNOLOGY

Standards	IEEE 802.3 10/100Base-T Ethernet IEEE 802.3u 100Base-TX/FX Fast Ethernet IEEE 802.3ab 1000Base-T Gigabit Ethernet IEEE 802.3z 1000Base-X IEEE 802.3x Flow Control
------------------	---

SWITCH PROPERTIES

Processing Type	Store and Forward
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port
MAC Table Size	2K
Jumbo Frame	9Kbytes
Memory Buffer	64Kbytes

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
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, 2A
System Power Consumption	1.5W
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-0201G-SC-M	10/100/1000TX To 1000FX Enterprise Media Converter, Multi-Mode 550M, SC Connector
EMC-0201G-SC-S1	10/100/1000TX To 1000FX Enterprise Media Converter, Multi-Mode 10KM, SC Connector
EMC-0201G-SC-S2	10/100/1000TX To 1000FX Enterprise Media Converter, Multi-Mode 20KM, SC Connector
EMC-0201G-SFP	10/100/1000T To 1000SX/LX Media Converter w/SFP Slot
EMC-0201G-SFP-DR	10/100/1000TX to 100/1000BASE-X Dual Rate Media Converter w/SFP Slot
EMC-0201G-SC-WA-M	10/100/1000TX To 1000LX Single Fiber (WDM-A), Multi-Mode 550M, TX1310nm - RX1550nm
EMC-0201G-SC-WB-M	10/100/1000TX To 1000LX Single Fiber (WDM-B), Multi-Mode 550M, TX1550nm - RX1310nm
EMC-0201G-SC-WA-S1	10/100/1000TX To 1000LX Single Fiber (WDM-A), Single-Mode 10KM, TX1310nm - RX1550nm
EMC-0201G-SC-WB-S1	10/100/1000TX To 1000LX Single Fiber (WDM-B), Single-Mode 10KM, TX1550nm - RX1310nm
EMC-0201G-SC-WA-S2	10/100/1000TX To 1000LX Single Fiber (WDM-A), Single-Mode 20KM, TX1310nm - RX1550nm
EMC-0201G-SC-WB-S2	10/100/1000TX To 1000LX Single Fiber (WDM-B), Single-Mode 20KM, TX1550nm - RX1310nm
EMC-0201G-SC-WA-S4	10/100/1000TX To 1000LX Single Fiber (WDM-A), Single-Mode 40KM, TX1310nm - RX1550nm
EMC-0201G-SC-WB-S4	10/100/1000TX To 1000LX Single Fiber (WDM-B), Single-Mode 40KM, TX1550nm - RX1310nm
EMC-0201G-SC-WA-S6	10/100/1000TX To 1000LX Single Fiber (WDM), Single-Mode 60KM, TX1490nm - RX1550nm
EMC-0201G-SC-WB-S6	10/100/1000TX To 1000LX Single Fiber (WDM), Single-Mode 60KM, TX1550nm - RX1490nm