

EMC-0201G Series

10/100/1000T to 1000X ENTERPRISE MEDIA CONVERTER, MULTI-MODE or SINGLE-MODE, SC / ST CONNECTOR or SFP SLOT



FEATURES

- Complies with IEEE 802.3/u/ab 10/100/1000BASE-T Standards
- Complies with IEEE 802.3z 1000BASE-X
- 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.

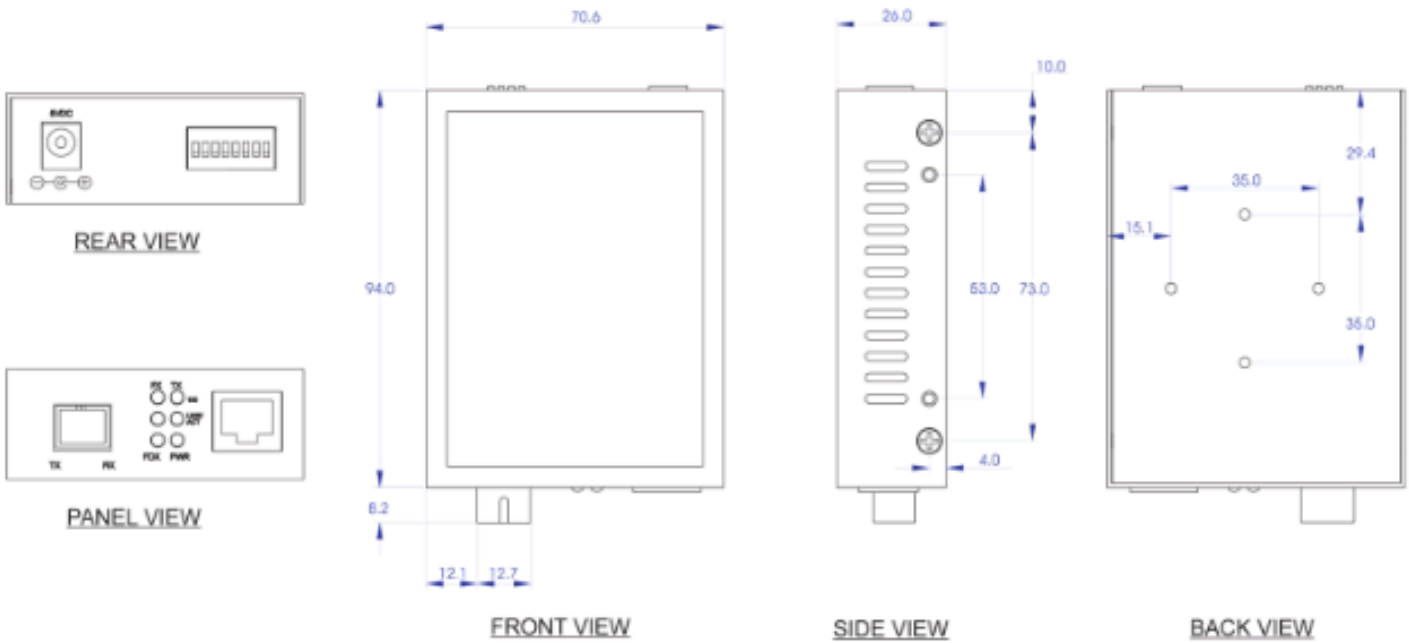
SPECIFICATIONS

Hardware Specifications

| Part Number | Total Ports | Ethernet Port | Fiber Port | System Power | Input Voltage | Operating Temp. |
|--------------|-------------|---------------|------------|--------------|---------------|--------------------------|
| EMC-0201G-XX | 2 | 1 | 1 | 1.5W | 100VAC~240VAC | 0 to 50°C 32 to 122°F |

Physical Specifications

| Part Number | Dimensions (W x H x D) | Weight (Unit) | Weight (Shipping) | Mounting | Housing |
|--------------|--|-------------------|-------------------|------------------------|-------------|
| EMC-0201G-XX | 71 x 26 x 94 mm 2.79 x 1.02 x 3.7in | 0.204kg 0.45lb | 0.45kg 1.0lb | DIN-Rail Wall Mount | Metal, IP30 |



| Standards | |
|--------------|--|
| Part Number | IEEE Standards |
| EMC-0201G-XX | IEEE 802.3 10BASE-T Ethernet IEEE 802.3u 100BASE-TX Fast Ethernet IEEE 802.3ab 1000BASE-T Gigabit Ethernet IEEE 802.3z 1000BASE-X IEEE 802.3x Flow Control |

| Media Converter Properties | | | |
|----------------------------|--|-----------------------------|---------------------|
| Specification | | Specification | |
| Memory Buffer | 64Kbytes | Relay Contact | 24VDC, 1A resistive |
| Transfer Rate | 14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port | Overload Current Protection | Present |
| MAC Table Size | 2K | Reverse Polarity Protection | Present |
| Jumbo Frame | 9Kbytes | | |

| Compliance Specifications | |
|---------------------------|--|
| Certifications | FCC, CE |
| Storage Environment | Storage Temperature: -20°C ~ 60°C |
| Humidity | Ambient Relative Humidity 5% to 90%, (non-condensing) |
| Warranty | 5 Years |

ORDERING INFORMATION

| Media Converter Models | |
|------------------------|---|
| Part Number | Description |
| 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, Single-Mode 10KM, SC Connector |
| EMC-0201G-SC-S2 | 10/100/1000TX To 1000FX Enterprise Media Converter, Single-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-A), Single-Mode 60KM, TX1490nm - RX1550nm |
| EMC-0201G-SC-WB-S6 | 10/100/1000TX To 1000LX Single Fiber (WDM-B), Single-Mode 60KM, TX1550nm - RX1490nm |

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Specifications are subject to change without notice and without incurring any obligation.