IMC-C1000-SFP Series

Compact 10/100/1000TX to 100/1000Fx Industrial Gigabit Media Converter with SFP Slot Socket



Features

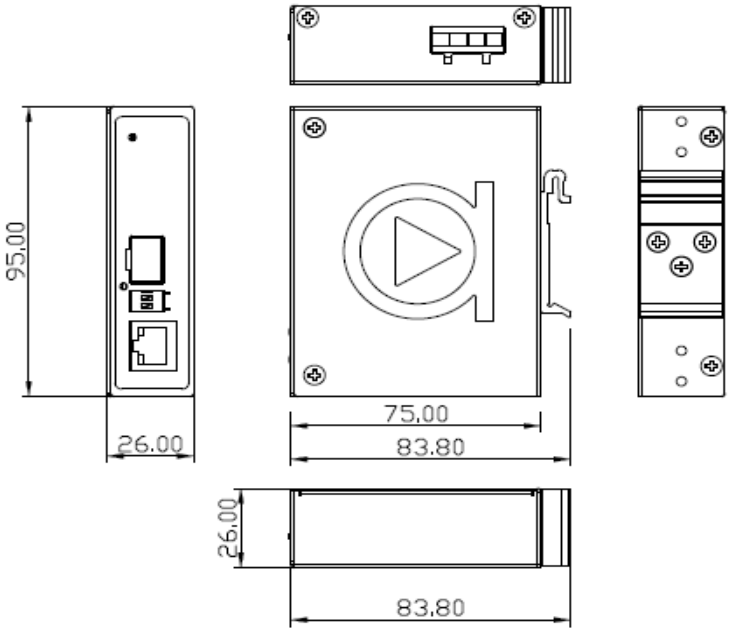
- Compact Industrial Grade Design
- UTP to Fiber Media Converter
- RJ-45 Port Support Auto MDI/MDI-X Function
- Auto Negotiation Speed, Half/Full Duplex
- Store-and-Forward Switching Architecture
- Built-in Link Fault Pass Through (LFP) & Far End Fault (FEF)
- Jumbo Frame Support: 10Kbytes
- Wide-Range Redundant Power Design
- Redundant Power Input: 12~48VDC
- Power Polarity Reverse Protection
- Overload Current Protection
- DIN-Rail or Wall Mountable
- IP30 Protection
- 5-Year Warranty

INTRODUCTION

Antaira Technologies' **IMC-C1000-SFP** series is a compact IP-30 rated gigabit Ethernet-to-Fiber media converter featuring a 10/100/1000TX Ethernet port and a dual rate 100/1000 SFP slot. It is perfectly designed to fulfill industrial applications that require distance extension and high bandwidth capabilities. This small form factor is ideal for saving space in outdoor applications such as factory automation, security, ITS transportation, power/utility, water wastewater treatment plants, and any other extreme ambient weather environments.

The IMC-C1000-SFP series has a built-in "Link Fault Pass Through" (LFP) and "Far End Fault" (FEF) function with 12~48VDC redundant power inputs with reverse polarity and overload current protection. This product series supports DIN-rail as well as wall mountable orientations and provides operating temperature range models in STD: -10°C to 70°C and EOT: -40°C to 75°C.

DIMENSIONS



SPECIFICATIONS

Technology	
Standard	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3ab 1000BaseT IEEE 802.3z 1000Base-X Gigabit Fiber
Switch Properties	
Protocol	CSMA/CD
Data Process	Store and forward
Packet Buffer	1 Mbits
MAC Table	8K
Jumbo Frame	10K bytes
Flow Control	IEEE 802.3x for full duplex mode, back pressure for half duplex mode
Port Interface	
Ethernet Port	1*10/100/1000BaseT(X), auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
Fiber Port	1*100/1000 SFP Slot
Fiber Wavelength	Dependent on SFP module
DIP Switch	DIP Switch 1: LFP(Link Fault Pass) Enable/Disable DIP Switch 2: 1000Mbps / 100Mbps
LED	Unit: Power 1, Power 2, Fault Ethernet: On-Link/Flashing- Data Transmitting SFP: Link & Active

Mechanical Characteristics	
Casing	IP30 Metal Case
Weight	Unit: 0.55lbs Shipping: 1.0lbs
Dimensions	26 x 95 x 75 mm
Installation	DIN-Rail/Wall Mountable
Power Requirement	
Power Input	DC 12 ~ 48V Redundant power w/4pins removable terminal block
Power Consumption	1.8 Watts
Reserve Polarity Protection	Present
Overload Current Protection	Present
Environment Limit	
Operating Temperature	STD: -10° to 70° C EOT: -40° to 75° C
Storage Temperature	-40°C ~ 85°C
Ambient Relative Humidity	5 to 95%, (non-condensing)
Regulatory Approvals	
EMI	FCC Class A
EMS	EN6100-4-2,3,4,5,6,8
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE, UL-61010-1, 61010-2-201 (Pending)
Compliance	NEMA TS1/TS2
Warranty	5 Years

ORDERING INFO

IMC-C1000-SFP	Compact 10/100/1000Tx to 100/1000Fx Industrial Gigabit Media Converter with SFP Socket
IMC-C1000-SFP-T	Compact 10/100/1000Tx to 100/1000Fx Industrial Gigabit Media Converter with SFP Socket, EOT: -40 to 75°C
Optional Accessories	
DR-15-12	15W Industrial DIN-Rail Power Supply, 12VDC
MDR-20-24	20W Industrial DIN-Rail Power Supply, 24VDC
MDR-40-48	40W Industrial DIN-Rail Power Supply, 48VDC
MDR-60-48	60W Industrial DIN-Rail Power Supply, 48VDC
DR-75-48	75W Industrial DIN-Rail Power Supply, 48VDC
SFP-M	SFP Module, Multi-Mode, 550m
SFP-S10	SFP Module, Single-Mode, 10Km