

# IMC-C1000-SFP Series

## Features

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



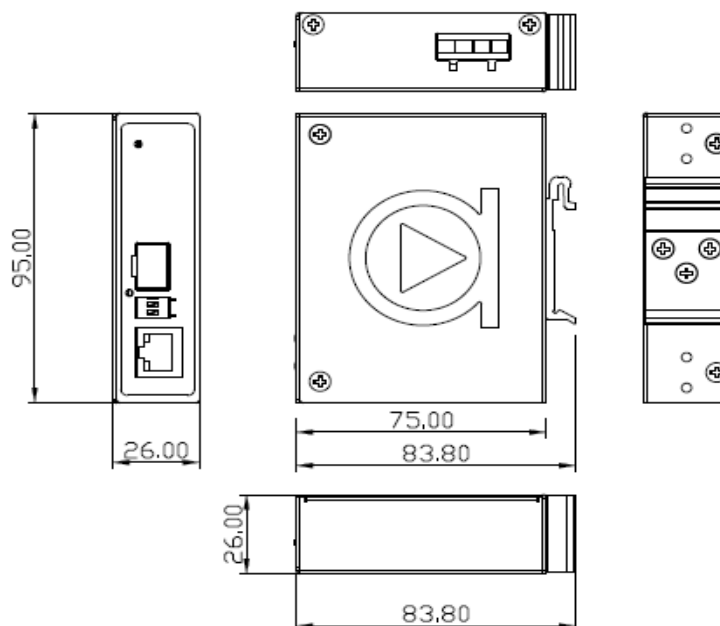
- ▶ Compact Industrial Grade Design
- ▶ UTP to Fiber Media Converter
- ▶ RJ-45 Port Support Auto MDI/MDI-X Function
- ▶ Auto Negotiation Speed, Half/Full Duplex
- ▶ Store-and-Forward Switching Architecture
- ▶ Built-in Link Fault Pass Through (LFP) & Far End Fault (FEF)
- ▶ Jumbo Frame Support: 10Kbytes
- ▶ 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 IP30 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 80°C.

## DIMENSIONS



## SPECIFICATIONS

Technology		Mechanical Characteristics	
Standard	IEEE 802.3 10BaseT Ethernet	Casing	IP30 Metal Case
	IEEE 802.3u 100BaseTX Fast Ethernet	Weight	Unit: 0.55lbs Shipping: 1.0lbs
	IEEE 802.3ab 1000BaseT	Dimensions	26 x 95 x 75 mm
	IEEE 802.3z 1000Base-X Gigabit Fiber	Installation	DIN-Rail/Wall Mountable
Switch Properties		Power Requirement	
Protocol	CSMA/CD	Power Input	DC 12 ~ 48V Redundant power w/4pins removable terminal block
Data Process	Store and forward	Power Consumption	1.8 Watts
Packet Buffer	1 Mbits	Reverse Polarity Protection	Present
MAC Table	8K	Overload Current Protection	Present
Jumbo Frame	10K bytes	Environment Limit	
Flow Control	IEEE 802.3x for full duplex mode, back pressure for half duplex mode	Operating Temperature	STD: -10° to 70° C EOT: -40° to 80° C
Port Interface		Storage Temperature	-40°C ~ 85°C
Ethernet Port	1*10/100/1000BaseT(X), auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection	Ambient Relative Humidity	5 to 95%, (non-condensing)
Fiber Port	1*100/1000 SFP Slot	Regulatory Approvals	
Fiber Wavelength	Dependent on SFP module	EMI	FCC Class A
DIP Switch	DIP Switch 1: LFP(Link Fault Pass)	EMS	EN6100-4-2,3,4,5,6,8
	Enable/Disable	Free Fall	IEC60068-2-32
	DIP Switch 2: 1000Mbps / 100Mbps	Shock	IEC60068-2-27
LED Indicators	Power (PWR): On/Off	Vibration	IEC60068-2-6
	Ethernet: On-Link/Flashing- Data Transmitting	Green	RoHS Compliant
	SFP: Link & Active	Certifications	FCC, CE, UL-61010-1, 61010-2-201
		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 80°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