

# IMC-C1000-SFP Series

## Features

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



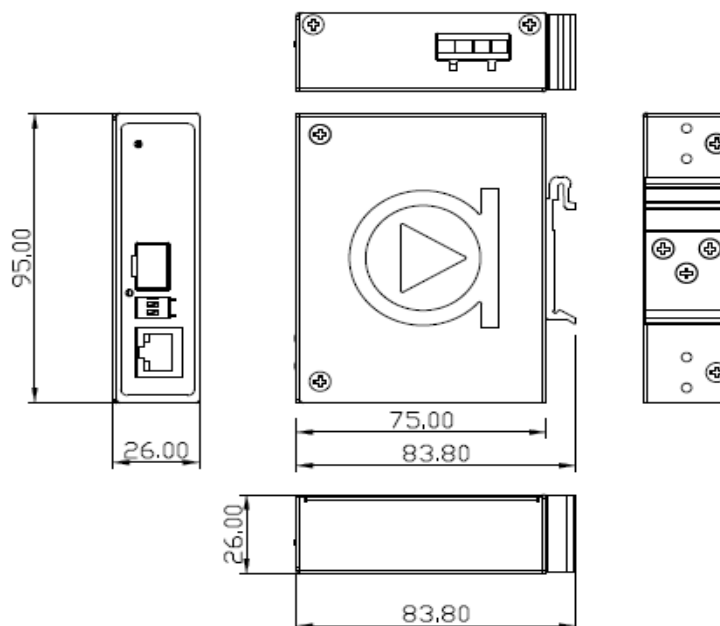
- ▶ Compact Industrial Grade Design
- ▶ UTP to Fiber Media Converter
- ▶ RJ-45 Port Support Auto MDI/MDI-X Function
- ▶ Auto Negotiation Speed, Half/Full Duplex
- ▶ Store-and-Forward Switching Architecture
- ▶ Built-in Link Fault Pass Through (LFP) & Far End Fault (FEF)
- ▶ Jumbo Frame Support: 10Kbytes
- ▶ 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	<b>Casing</b>	IP30 Metal Case
	IEEE 802.3u 100BaseTX Fast Ethernet	<b>Weight</b>	Unit: 0.55lbs Shipping: 1.0lbs
	IEEE 802.3ab 1000BaseT	<b>Dimensions</b>	26 x 95 x 75 mm
	IEEE 802.3z 1000Base-X Gigabit Fiber	<b>Installation</b>	DIN-Rail/Wall Mountable
Switch Properties		Power Requirement	
<b>Protocol</b>	CSMA/CD	<b>Power Input</b>	DC 12 ~ 48V Redundant power w/4pins removable terminal block
<b>Data Process</b>	Store and forward	<b>Power Consumption</b>	1.8 Watts
<b>Packet Buffer</b>	1 Mbits	<b>Reverse Polarity Protection</b>	Present
<b>MAC Table</b>	8K	<b>Overload Current Protection</b>	Present
<b>Jumbo Frame</b>	10K bytes	Environment Limit	
<b>Flow Control</b>	IEEE 802.3x for full duplex mode, back pressure for half duplex mode	<b>Operating Temperature</b>	STD: -10° to 70° C EOT: -40° to 80° C
Port Interface		<b>Storage Temperature</b>	-40°C ~ 85°C
<b>Ethernet Port</b>	1*10/100/1000BaseT(X), auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection	<b>Ambient Relative Humidity</b>	5 to 95%, (non-condensing)
<b>Fiber Port</b>	1*100/1000 SFP Slot	Regulatory Approvals	
<b>Fiber Wavelength</b>	Dependent on SFP module	<b>EMI</b>	FCC Class A
<b>DIP Switch</b>	DIP Switch 1: LFP(Link Fault Pass) Enable/Disable	<b>EMS</b>	EN6100-4-2,3,4,5,6,8
	DIP Switch 2: 1000Mbps / 100Mbps Power (PWR): On/Off	<b>Free Fall</b>	IEC60068-2-32
<b>LED Indicators</b>	Ethernet: On-Link/Flashing- Data Transmitting	<b>Shock</b>	IEC60068-2-27
	SFP: Link & Active	<b>Vibration</b>	IEC60068-2-6
		<b>Green</b>	RoHS Compliant
		<b>Certifications</b>	FCC, CE, UL-61010-1, 61010-2-201
		<b>Compliance</b>	NEMA TS1/TS2
		<b>Warranty</b>	5 Years

## ORDERING INFO

<b>IMC-C1000-SFP</b>	Compact 10/100/1000Tx to 100/1000Fx Industrial Gigabit Media Converter with SFP Socket
<b>IMC-C1000-SFP-T</b>	Compact 10/100/1000Tx to 100/1000Fx Industrial Gigabit Media Converter with SFP Socket, EOT: -40 to 80°C

### Optional Accessories

<b>DR-15-12</b>	15W Industrial DIN-Rail Power Supply, 12VDC
<b>MDR-20-24</b>	20W Industrial DIN-Rail Power Supply, 24VDC
<b>MDR-40-48</b>	40W Industrial DIN-Rail Power Supply, 48VDC
<b>MDR-60-48</b>	60W Industrial DIN-Rail Power Supply, 48VDC
<b>DR-75-48</b>	75W Industrial DIN-Rail Power Supply, 48VDC
<b>SFP-M</b>	SFP Module, Multi-Mode, 550m
<b>SFP-S10</b>	SFP Module, Single-Mode, 10Km