

## IMP-C1000-SFP Series

Compact Industrial Gigabit PoE+ Ethernet-to-Fiber Media Converter, 1\*10/100/1000TX (PSE: 30W) to 1\*100/1000 SFP Slot



### Features

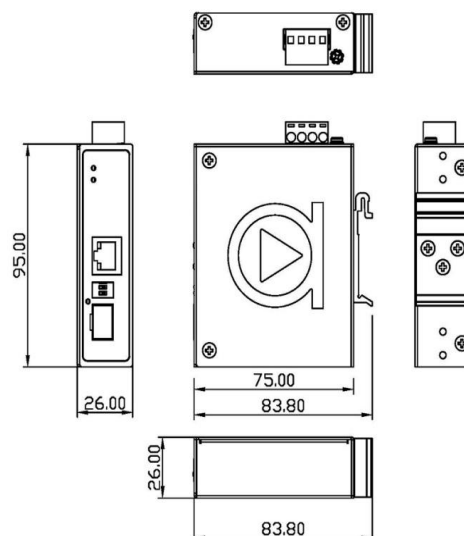
- ▶ Compact Industrial Grade Design
- ▶ UTP to Fiber Media Converter
- ▶ Embedded 1 Port PoE Injector Function
- ▶ RJ-45 Port Support Auto MDI/MDI-X Function
- ▶ Auto Negotiation Speed, Half/Full Duplex
- ▶ Store-and-Forward Switching Architecture
- ▶ Built-in Link Fault Pass Through & Far End Fault
- ▶ Jumbo Frame Support: 10k bytes
- ▶ Wide-Range Redundant Power Design
- ▶ Redundant Power Input: 48~55VDC
- ▶ Power Polarity Reverse Protection
- ▶ Overload Current Protection
- ▶ DIN-Rail or Wall Mountable
- ▶ IP30 Protection
- ▶ 5-Year Warranty

### INTRODUCTION

Antaira Technologies' IMP-C1000-SFP series is a compact IP-30 rated gigabit Ethernet-to-Fiber media converter featuring a 10/100/1000TX Ethernet port that supports IEEE 802.3at high power PoE supplying up to 30 watts, and has 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 IMP-C1000-SFP series has a built-in "Link Fault Pass Through" (LFP) and "Far End Fault" (FEF) function with 48~55VDC redundant power inputs with reverse polarity and overload current protection. This product series supports DIN-rail as well as wall mountable orientations and there are two operating temperature range models in STD: -10°C to 70°C and EOT: -40°C to 80°C.

### DIMENSIONS



## SPECIFICATIONS

Technology		Power Requirements	
<b>Standards</b>	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 Gigabit Fiber IEEE 802.3af/at Power over Ethernet	<b>Input Voltage</b>	48 to 55VDC, Redundant Inputs
<b>Processing Type</b>	Store and Forward	<b>Power Connection</b>	1 removable 4-contact terminal block
<b>Protocol</b>	CSMA/CD	<b>Power Consumption</b>	3 Watts for System
<b>Flow Control</b>	IEEE 802.3x back pressure flow control	<b>Max. PoE Power Budget</b>	30 Watts
Switch Properties		Mechanical Characteristics	
<b>Memory Buffer</b>	1Mbits	<b>Housing</b>	Metal, IP30 protection
<b>Jumbo Frame</b>	10Kbytes	<b>Dimensions</b>	26 x 95 x 75 mm (W x H x D)
<b>MAC Table Size</b>	8K	<b>Weight</b>	Unit 0.55lbs.; Shipping Weight 0.99 lbs.
Interface		<b>Mounting</b>	DIN-Rail Mounting, Wall Mounting
<b>Ethernet Port</b>	1*RJ45 Port w/10/100/1000TX with PoE+, auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection	Environmental Limits	
<b>PoE Pin Out</b>	V+, V+, V-, V- for pin1,2,3,6 Endspan, MDI Alternative A	<b>Operating Temperature</b>	STD: -10°C to 70°C EOT: -40°C to 80°C
<b>Fiber Port</b>	1*100/1000 SFP Slot	<b>Storage Temperature</b>	-40°C to 85°C
<b>Fiber Wavelength</b>	Depends on SFP modules	<b>Ambient Relative Humidity</b>	5% to 95%, (non-condensing)
<b>DIP Switch</b>	DIP Switch 1: LFP(Link Fault Pass) Enable/Disable DIP Switch 2: SFP 100Mbps/ 1000Mbps Unit: PWR, PoE	Regulatory Approvals	
<b>LED Indicators</b>	TX: Link/Act/Speed Fiber: Link/Act/Speed	<b>EMI</b>	FCC Part 15 Subpart B Class A, CE EN 55022 Class A IEC61000-4-2 (ESD) IEC61000-4-3 (RS) IEC61000-4-4 (EFT) IEC61000-4-5 (Surge) IEC61000-4-6 (CS) IEC61000-4-8 (Magnetic Field)
		<b>EMS</b>	
		<b>Free Fall</b>	IEC60068-2-32
		<b>Shock</b>	IEC60068-2-27
		<b>Vibration</b>	IEC60068-2-6
		<b>Green</b>	RoHS Compliant
		<b>Certifications</b>	FCC, CE, UL 61010-1, UL 61010-2-201
		<b>Warranty</b>	5 Years

## ORDERING INFO

<b>IMP-C1000-SFP</b>	Compact Industrial Gigabit PoE+ Ethernet-to-Fiber Media Converter, 1*10/100/1000TX (PSE: 30W) to 1*100/1000 SFP Slot
<b>IMP-C1000-SFP-T</b>	Compact Industrial Gigabit PoE+ Ethernet-to-Fiber Media Converter, 1*10/100/1000TX (PSE: 30W) to 1*100/1000 SFP Slot; EOT: -40°C to 80°C
Optional Accessories	
<b>DR-75-48</b>	75 Watt Series / 48 VDC / 1.6 Amps Industrial Single Output DIN Rail Power Supply
<b>DR-120-48</b>	120 Watt Series / 48 VDC / 2.5 Amps Industrial Single Output DIN Rail Power Supply
<b>SDR-120-48</b>	120 Watt Series / 48 VDC / 2.5 Amps Industrial Slim High-Efficiency Single Output DIN Rail Power Supply
<b>SDR-240-48</b>	240 Watt Series / 48 VDC / 5.0 Amps Industrial Slim High-Efficiency Single Output DIN Rail Power Supply
<b>SDR-480-48</b>	480 Watt Series / 48 VDC / 10.0 Amps Industrial Slim High-Efficiency Single Output DIN Rail Power Supply

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