

## 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

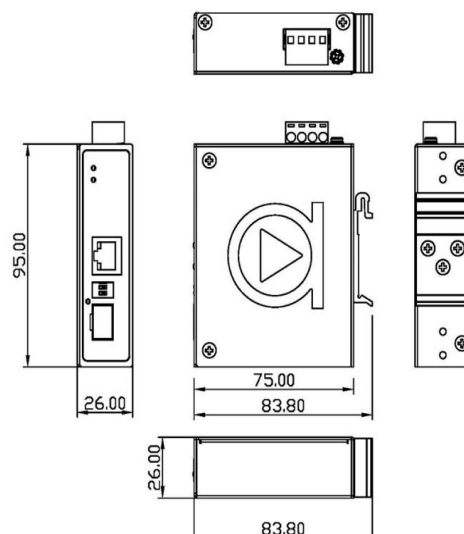
- ▶ Compact Industrial Grade Design
- ▶ UTP to Fiber Media Converter
- ▶ Embedded 1 Port PoE Injector Function
- ▶ RJ-45 Port Support Auto MDI/MDI-X Function
- ▶ Auto Negotiation Speed, Half/Full Duplex
- ▶ Store-and-Forward Switching Architecture
- ▶ Built-in Link Fault Pass Through & Far End Fault
- ▶ 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	
Standards	IEEE 802.3 10Base-T Ethernet	<b>Input Voltage</b>	48 to 55VDC, Redundant Inputs
	IEEE 802.3u 100Base-TX Fast Ethernet	<b>Power Connection</b>	1 removable 4-contact terminal block
	IEEE 802.3ab 1000Base-T Gigabit Ethernet	<b>Power Consumption</b>	3 Watts for System
	IEEE 802.3z 1000Base-X Gigabit Fiber	<b>Max. PoE Power Budget</b>	30 Watts
	IEEE 802.3af/at Power over Ethernet	<b>Mechanical Characteristics</b>	
<b>Processing Type</b>	Store and Forward	<b>Housing</b>	Metal, IP30 protection
<b>Protocol</b>	CSMA/CD	<b>Dimensions</b>	26 x 95 x 75 mm (W x H x D)
<b>Flow Control</b>	IEEE 802.3x back pressure flow control	<b>Weight</b>	Unit 0.55lbs.; Shipping Weight 0.99 lbs.
Switch Properties		<b>Mounting</b>	DIN-Rail Mounting, Wall Mounting
<b>Memory Buffer</b>	1Mbits	<b>Environmental Limits</b>	
<b>Jumbo Frame</b>	10Kbytes	<b>Operating Temperature</b>	STD: -10°C to 70°C EOT: -40°C to 80°C
<b>MAC Table Size</b>	8K	<b>Storage Temperature</b>	-40°C to 85°C
Interface		<b>Ambient Relative Humidity</b>	5% to 95%, (non-condensing)
<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	<b>Regulatory Approvals</b>	
<b>PoE Pin Out</b>	V+, V+, V-, V- for pin1,2,3,6 Endspan, MDI Alternative A	<b>EMI</b>	FCC Part 15 Subpart B Class A, CE EN 55022 Class A
<b>Fiber Port</b>	1*100/1000 SFP Slot	<b>EMS</b>	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>Fiber Wavelength</b>	Depends on SFP modules		
<b>DIP Switch</b>	DIP Switch 1: LFP(Link Fault Pass) Enable/Disable		
	DIP Switch 2: SFP 100Mbps/ 1000Mbps		
<b>LED Indicators</b>	Unit: PWR, PoE		
	TX: Link/Act/Speed Fiber: Link/Act/Speed		
		<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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