

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

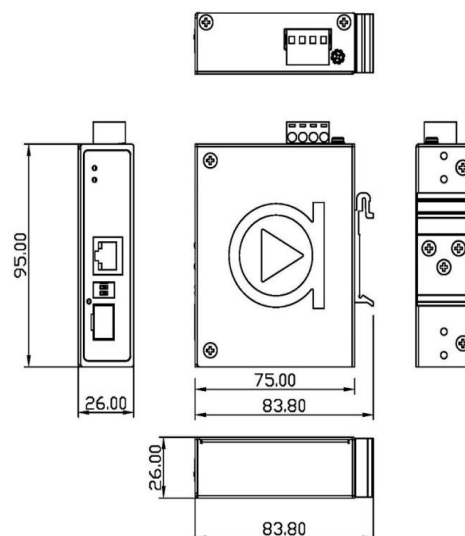
- ▶ Compact Industrial Grade Design
- ▶ UTP to Fiber Media Converter
- ▶ Embedded 1 Port PoE Injector Function
- ▶ RJ-45 Port Support Auto MDI/MDI-X Function
- ▶ Auto Negotiation Speed, Half/Full Duplex
- ▶ Store-and-Forward Switching Architecture
- ▶ Built-in Link Fault Pass Through & Far End Fault
- ▶ 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 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	Input Voltage	48 to 55VDC, Redundant Inputs
Processing Type	Store and Forward	Power Connection	1 removable 4-contact terminal block
Protocol	CSMA/CD	Power Consumption	3 Watts for System
Flow Control	IEEE 802.3x back pressure flow control	Max. PoE Power Budget	30 Watts
Switch Properties		Mechanical Characteristics	
Memory Buffer	1Mbits	Housing	Metal, IP30 protection
Jumbo Frame	10Kbytes	Dimensions	26 x 95 x 75 mm (W x H x D)
MAC Table Size	8K	Weight	Unit 0.55lbs.; Shipping Weight 0.99 lbs.
Interface		Mounting	DIN-Rail Mounting, Wall Mounting
Ethernet Port	1*RJ45 Port w/10/100/1000TX with PoE+, auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection	Environmental Limits	
PoE Pin Out	V+, V+, V-, V- for pin1,2,3,6 Endspan, MDI Alternative A	Operating Temperature	STD: -10°C to 70°C EOT: -40°C to 80°C
Fiber Port	1*100/1000 SFP Slot	Storage Temperature	-40°C to 85°C
Fiber Wavelength	Depends on SFP modules	Ambient Relative Humidity	5% to 95%, (non-condensing)
DIP Switch	DIP Switch 1: LFP(Link Fault Pass) Enable/Disable DIP Switch 2: SFP 100Mbps/ 1000Mbps Unit: PWR, PoE	Regulatory Approvals	
LED Indicators	TX: Link/Act/Speed Fiber: Link/Act/Speed	EMI	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)
		EMS	
		Free Fall	IEC60068-2-32
		Shock	IEC60068-2-27
		Vibration	IEC60068-2-6
		Green	RoHS Compliant
		Certifications	FCC, CE, UL 61010-1, UL 61010-2-201
		Warranty	5 Years

ORDERING INFO

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

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