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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

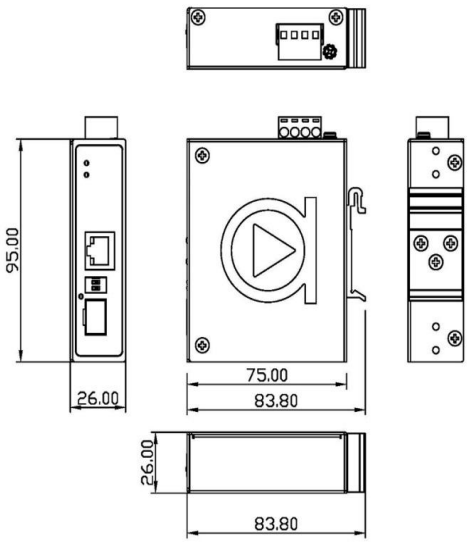
- Compact Industrial Grade Design
- UTP to Fiber Media Converter
- Embedded 1 Port PoE Injector Function
- RJ-45 Port Support Auto MDI/MDI-X Function
- Auto Negotiation Speed, Half/Full Duplex
- Store-and-Forward Switching Architecture
- Built-in Link Fault Pass Through & Far End Fault
- Jumbo Frame 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



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SPECIFICATIONS

Technology	
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
Processing Type	Store and Forward
Protocol	CSMA/CD
Flow Control	IEEE 802.3x back pressure flow control
Switch Properties	
Memory Buffer	1Mbits
Jumbo Frame	10Kbytes
MAC Table Size	8K
Interface	
Ethernet Port	1*RJ45 Port w/10/100/1000TX with PoE+, auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
PoE Pin Out	V+, V+, V-, V- for pin1,2,3,6 Endspan, MDI Alternative A
Fiber Port	1*100/1000 SFP Slot
Fiber Wavelength	Depends on SFP modules
DIP Switch	DIP Switch 1: LFP(Link Fault Pass) Enable/Disable DIP Switch 2: SFP 100Mbps/ 1000Mbps
LED Indicators	Unit: PWR, PoE TX: Link/Act/Speed Fiber: Link/Act/Speed

Power Requirements	
Input Voltage	48 to 55VDC, Redundant Inputs
Power Connection	1 removable 4-contact terminal block
Power Consumption	3 Watts for System
Max. PoE Power Budget	30 Watts
Mechanical Characteristics	
Housing	Metal, IP30 protection
Dimensions	26 x 95 x 75 mm (W x H x D)
Weight	Unit 0.55lbs.; Shipping Weight 0.99 lbs.
Mounting	DIN-Rail Mounting, Wall Mounting
Environmental Limits	
Operating Temperature	STD: -10°C to 70°C EOT: -40°C to 80°C
Storage Temperature	-40°C to 85°C
Ambient Relative Humidity	5% to 95%, (non-condensing)
Regulatory Approvals	
EMI	FCC Part 15 Subpart B Class A, CE EN 55022 Class A
EMS	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)
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

Assured Systems

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