

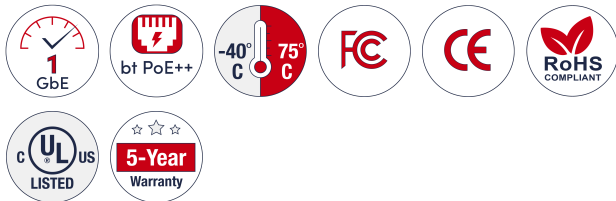
IMP-C1000-SFP-bt-H-100-T

INDUSTRIAL MEDIA CONVERTER GIGABIT PoE++ INJECTOR (100W/PORT)



FEATURES

- 1-Port 10/100/1000Tx RJ45 with Enhanced PoE-PSE (H-Type) (100W/Port)
- 1-Port 100/1000Fx SFP Slot
- Link Fault Pass-Through (LFP) Function Support
- PD Remote Reset Technology (PRRT) Function Support
- IP30 Rugged Metal Case Design
- Power Input: 48-55VDC in 4-Pin Terminal Block
- DIN-Rail or Wall Mountable
- Operating Temperature Range: -40°C to 75°C
- 5-Year Warranty

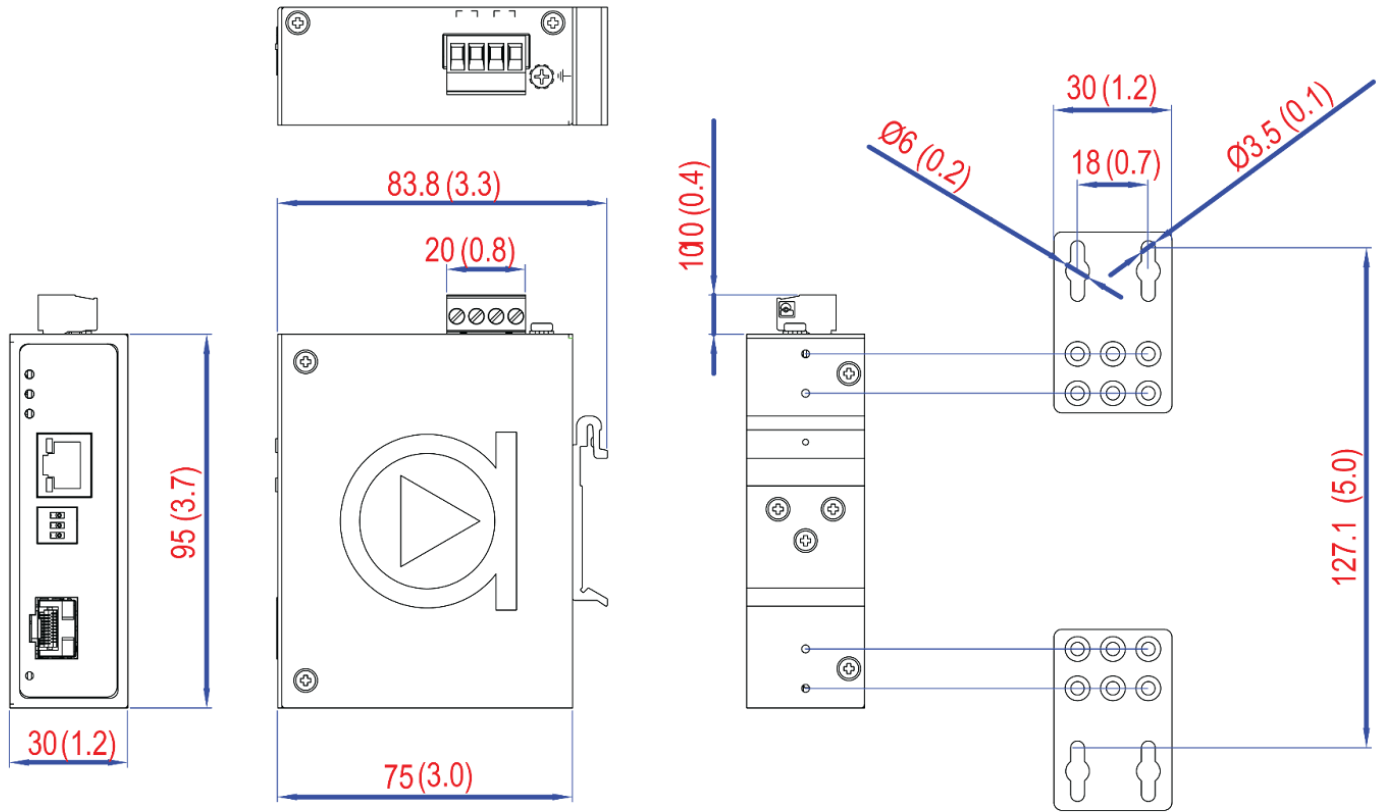


INTRODUCTION

Antaira Technologies' IMP-C1000-SFP-bt-H-100-T is a compact IP30 rated gigabit Ethernet-to-Fiber media converter featuring a 10/100/1000TX Ethernet port that supports IEEE 802.3bt high power PoE supplying up to 100 watts. It has a dual-rate 100/1000 SFP slot and 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-bt-H-100-T has a built-in PD Remote Reset Technology function (PRRT). The PRRT function allows users to remotely reboot the media converter and reset the connected powered device (PD). The unit also has 48-55VDC redundant power inputs with reverse polarity and overload current protection. This product supports DIN-rail and wall-mountable orientations as well as extended operating temperature range model in EOT: -40°C to 75°C.

DIMENSIONS



Unit: mm (inch)

Din-rail

Wall-mount

SPECIFICATIONS

Hardware Specifications

Part Number	Total Port	RJ45 GE	SFP 1G	PoE Power Budget	System Power Consumption	Input Voltage	Operating Temp.
IMP-C1000-SFP-bt-H-100-T	2	1	1	100W	1.6W	48-55VDC Redundant Input	-40°C to 75°C -40°F to 167°F

Physical Specifications

Part Number	Dimensions (W x H x D)	Weight (Unit)	Weight (Shipping)	Mounting	Housing
IMP-C1000-SFP-bt-H-100-T	30 x 95 x 75mm 1.18 x 3.74 x 2.95in	0.27kg 0.59lb	0.37kg 0.81lb	DIN-Rail Wall Mount	IP30, Metal

Standards

IEEE Standards	IEEE 802.3 10BASE-T Ethernet IEEE 802.3u 100BASE-T Fast Ethernet IEEE 802.3ab 1000BASE-T Gigabit Ethernet IEEE 802.3z 1000BASE-X Gigabit Fiber
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	IEEE 802.3af Power over Ethernet IEEE 802.3at Power over Ethernet plus IEEE 802.3bt Power over Ethernet plus plus
Network Cable	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable; EIA/TIA-568 100-ohm (100m) 100Base-TX: 2-pair UTP/STP Cat. 5 cable; EIA/TIA-568 100-ohm (100m) 1000Base-TX: 4-pair UTP/STP Cat. 5/5E cable; EIA/TIA-568 100-ohm (100m) NOTE: The total length from device A through the Injector to device B must not exceed 100 meters.

PoE Injector Properties

Specification		Specification	
LED Indicators	Power Status LED, IEEE802.3af/at PoE Enabled LED, IEEE 802.3bt PoE Enabled LED Ethernet Ports: On - Link / Flash - data transmitting SFP: Link/Active	DIP Switch	DIP Switch 1: PD Remote Reset Technology On- Enable / Off - Disable DIP Switch 2: LFP (Link Fault Pass) On- Enable / Off - Disable DIP Switch 3: SFP Speed - 100Mbps / 1000Mbps On - 100Mbps / Off - 1000Mbps

Hardware Specifications

Specification		Specification	
Power Connection	1 removable 4-contact terminal block	Storage Temperature	-40°C to 85°C
Relay Contact	24VDC, 1A resistive	Ambient Relative Humidity	5 to 95%, (non-condensing)
Reverse Polarity Protection	Present	PoE Pin Assignment	V-, V-, V+, V+, for pin 1, 2, 3, 6 V+, V+, V-, V- for pin 4, 5, 7, 8 *Support Modes: Mode A, Mode B, 4-Pair Mode
Overload Current Protection	Present		

Compliance Specifications

Specification		Specification	
EMI	FCC Part 15 Subpart B Class A CE EN55032/EN61000-6-4 Class A	Vibration	IEC60068-2-6
EMS	CE EN55035/EN61000-6-2 IEC61000-4-2,3,4,5,6,8	Green	RoHS Compliant
Free Fall	IEC60068-2-32	Certifications	FCC, CE
Shock	IEC60068-2-27	Warranty	5 Years

ORDERING INFORMATION

PoE Injector Model

Part Number	Description
INJ-C201G-bt-H-100-T	Industrial Gigabit Enhanced PoE++ Injector - 1*10/100/1000Base-T(X) with Enhanced PoE-PSE (H-Type) (100W/Port) + 1*10/100/1000Base-T(X), 48-55VDC, EOT: -40°C to 75°C

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