

IMP-C1000-SFP-bt Series

Compact Industrial Gigabit IEEE 802.3bt Ethernet-to-Fiber Media Converter, 1*10/100/1000Tx RJ45 (90W/Port) to 1*100/1000 SFP Slot



Features

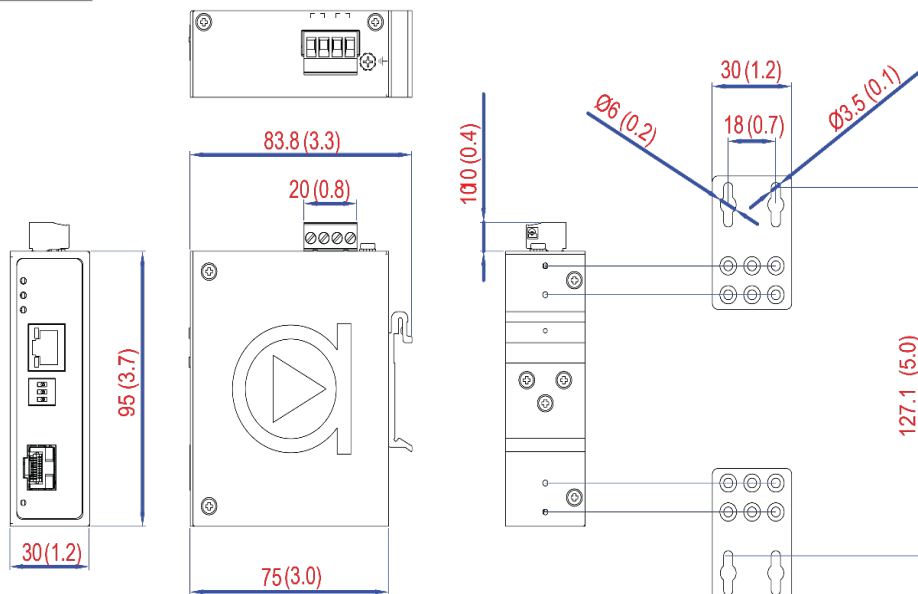
- ▶ 1-Port 10/100/1000Tx RJ45 with IEEE 802.3bt Compliant PoE
- ▶ 1-Port 100/1000Fx SFP Slot
- ▶ Link Fault Pass-Through (LFP) Function Support
- ▶ PD Remote Reset Technology (PRRT) Function Support
- ▶ IP30 Rugged Metal Case Design
- ▶ Power Input: 48~55VDC in 4-Pin Terminal Block
- ▶ DIN-Rail or Wall Mountable
- ▶ Operating Temperature Range
 - STD: -10° to 65°C, EOT: -40° to 75°C
- ▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' IMP-C1000-SFP-bt series 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 90 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-bt series has a built-in PD Remote Reset Technology function (PRRT). The PRRT function allows user 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 series supports DIN-rail as well as wall mountable orientations and there are two operating temperature range models in STD: -10°C to 65°C and EOT: -40°C to 75°C.

DIMENSIONS



Unit: mm (inch)

Din-rail

Wall-mount

SPECIFICATIONS

Technology		Mechanical Characteristics	
Standards	IEEE 802.3 10Base-T Ethernet	Housing	Metal, IP30 Protection
	IEEE 802.3u 100Base-TX Fast Ethernet	Dimensions	30 x 95 x 75mm
	IEEE 802.3ab 1000Base-T Gigabit Ethernet	Weight	Unit: 0.59 lb Shipping: 0.81 lb
	IEEE 802.3z 1000Base-X Gigabit Fiber	Mounting	DIN-Rail mounting, Wall mounting
	IEEE 802.3af/at/bt Power over Ethernet	Power Requirement	
Processing Type	Store and Forward	Input Voltage	48~55VDC, Redundant Inputs * For 802.3bt application, power supply not less than 53V is recommended
Protocol	CSMA/CD	Power Connection	Removable 4-Contact Terminal Block
Flow Control	IEEE 802.3x flow control, back pressure flow control	Power Consumption	3W
Switch Properties		Max. PoE Power Budget	90W
Memory Buffer	1Mbits	Environmental Limits	
Jumbo Frame	10Kbytes	Operating Temperature	STD: -10°C to 65°C EOT: -40°C to 75°C
MAC Table Size	8K	Storage Temperature	-40°C to 85°C
Port Interface		Ambient Relative Humidity	5% to 95%, (non-condensing)
Ethernet Port	1*10/100/1000 Base-T(X) with IEEE 802.3bt PoE Auto-Negotiation, Full/Half Duplex, Auto-MDI/MDI-X	Regulatory Approvals	
PoE Pin Out	V-, V-, V+, V+, for pin 1, 2, 3, 6 V+, V+, V-, V-, for pin 4, 5, 7, 8	EMI	FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A
Fiber Port	1*100/1000 SFP Slot	EMS	CE EN55035/EN61000-6-2 Class A: IEC61000-4-2,3,4,5,6,8
Wavelength	Depends on SFP Slot	Free Fall	IEC60068-2-32
DIP Switch	DIP Switch 1: PD Remote Reset Technology (PRRT) Enable/ Disable	Shock	IEC60068-2-27
	DIP Switch 2: LFP (Link Fault Pass) Enable/Disable	Vibration	IEC60068-2-6
	DIP Switch 3: 100Mbps / 1000Mbps	Green	RoHS Compliant
LED Indicators	Power Status LED, IEEE802.3af/at PoE Enabled LED, IEEE 802.3bt PoE Enabled LED	Certifications	FCC, CE
	Ethernet Ports: On-Link/Flash-data transmitting SFP: Link/Active	Warranty	5 Years

ORDERING INFO

IMP-C1000-SFP-bt	Compact Industrial Gigabit IEEE 802.3bt Ethernet-to-Fiber Media Converter, 1*10/100/1000Tx (90W/Port) to 1*100/1000 SFP Slot
IMP-C1000-SFP-bt-T	Compact Industrial Gigabit IEEE 802.3bt Ethernet-to-Fiber Media Converter, 1*10/100/1000Tx (90W/Port) to 1*100/1000 SFP Slot; EOT: -40°C to 75°C

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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