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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

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



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

SPECIFICATIONS

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

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

Warranty

5 Years

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