

# INJ-C201G-bt-100-T

Industrial Gigabit Enhanced PoE++ Injector  
 - 1\*10/100/1000Base-T(X) with Enhanced PoE-PSE  
 (100W/Port) + 1\*10/100/1000Base-T(X), 48-55VDC,  
 EOT: -40°C to 75°C



## Features

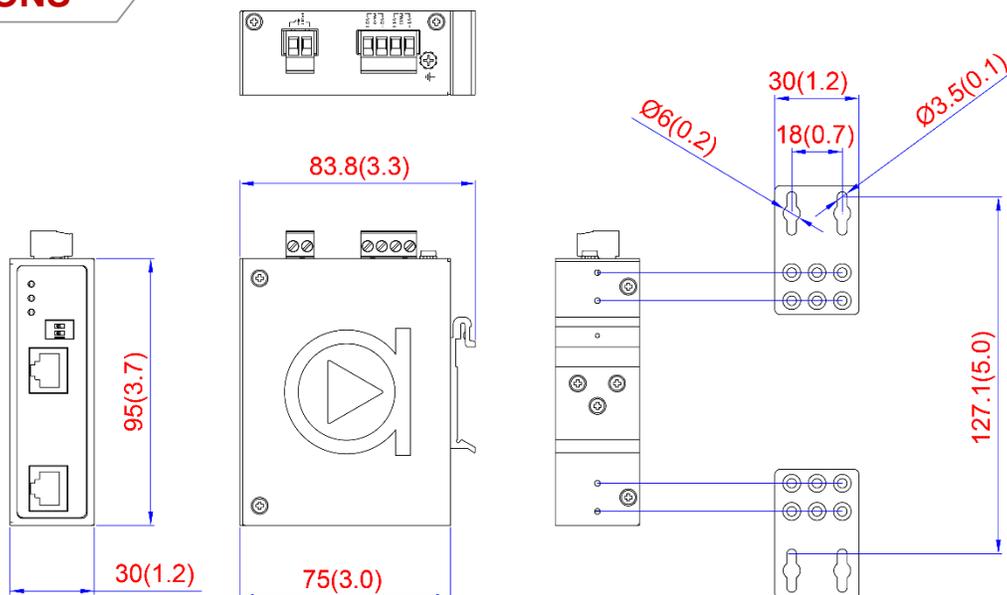
- ▶ Supports 10/100/1000Tx for PoE & Data Out
- ▶ IEEE 802.3af/at/bt Compliant PoE
- ▶ Provide Data and Power over Ethernet to Power Device
- ▶ Provides up to 100 Watts on PoE Port
- ▶ Redundant 48~55VDC power inputs design
- ▶ IP30 Protection
- ▶ Dip-switch setting for PoE mode and dual PD check
- ▶ Operating Temperature Range – -40°C to 75°C
- ▶ DIN-Rail or Wall Mountable
- ▶ 5-Year Warranty

## INTRODUCTION

Antaira Technologies' INJ-C201G-bt-100-T, solve the problem simply by deploying data and power from non-PoE switch and power input to the PD device. PoE injector is a brilliant low-cost solution for the case that only one side of devices is supporting PoE function. Therefore, INJ-C201G-bt-100-T will be your best choice to deal with the lack of PoE function cases.

Additionally, INJ-C201G-bt-100-T supports power input from 48VDC to 55VDC, ensuring full 90W PoE output, in compliance with IEEE 802.3bt standard, for better usage in the automation industry. Moreover, for some special application which eagers for more PoE power from the PSE device, this model also supports Enhanced PoE mode to offer up to 100W to the powered device. INJ-C201G-bt-100-T with fan-less design, besides extending surely apply to various industrial applications, works perfectly in polarized temperature from -40°C to 75°C, and undoubtedly becomes your best option in the industrial market.

## DIMENSIONS



Unit: mm (inch)

Din-rail

Wall-mount

## SPECIFICATIONS

<b>Technology</b>		<b>Power Requirement</b>	
<b>Standards</b>	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3ab 1000BaseT(X) IEEE 802.3af/at/bt Power over Ethernet	<b>Input Voltage</b>	48~55VDC Redundant Input
<b>Switch Properties</b>		<b>Power Connection</b>	1 removable 4-contact and 2-contact terminal block
<b>Transfer Rate</b>	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port	<b>Relay Contact</b>	24VDC, 1A resistive
<b>Interface</b>		<b>Reverse Polarity Protection</b>	Present
<b>Ethernet Port</b>	2*10/100/1000BaseT(X) (1*Data IN, 1*PoE OUT)	<b>Overload Current Protection</b>	Present
<b>DIP Switch</b>	DIP Switch 1: PoE Mode On - Enhanced / Off (default) - Standard DIP Switch 2: Dual PD Check On - Enable / Off (default) - Disable	<b>PoE Pin Assignment</b>	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
<b>LED Indicators</b>	Power, PoE	<b>PoE Power Budget</b>	100Watts
<b>Mechanical Characteristics</b>		<b>System Power Consumption</b>	1.6W
<b>Housing</b>	Metal, IP30 protection	<b>Environmental Limits</b>	
<b>Dimensions</b>	30 x 95 x 75 mm (W x H x D)	<b>Operating Temperature</b>	-40°C to 75°C
<b>Weight</b>	Unit: 0.80 lb. Shipping: 1.14 lbs.	<b>Storage Temperature</b>	-40°C to 85°C
<b>Mounting</b>	DIN-Rail Mounting, Wall Mounting	<b>Ambient Relative Humidity</b>	5 to 95%, (non-condensing)
<b>Protection</b>		<b>Regulatory Approvals</b>	
<b>Network Cable</b>	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)	<b>EMI</b>	FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A
<b>NOTE: The total length from the device A through the Injector to the device B must not exceed 100 meters</b>		<b>EMS</b>	CE EN55035/EN61000-6-2, IEC61000-4-2,3,4,5,6,8
		<b>Free Fall</b>	IEC60068-2-32
		<b>Shock</b>	IEC60068-2-27
		<b>Vibration</b>	IEC60068-2-6
		<b>Green</b>	RoHS Compliant
		<b>Certifications</b>	FCC, CE, UL 61010-1, UL 61010-2-201
		<b>Compliance</b>	NEMA TS1/TS2
		<b>Warranty</b>	5 Years

## ORDERING INFO

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