

# INJ-C201G-bt-H-100-T

## INDUSTRIAL GIGABIT ENHANCED PoE++ INJECTOR WITH EXTENDED OPERATING TEMPERATURE



### FEATURES

- Supports 10/100/1000Tx for PoE & Data Out
- IEEE 802.3af/at/bt PoE Compliant
- Provide Data and PoE 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

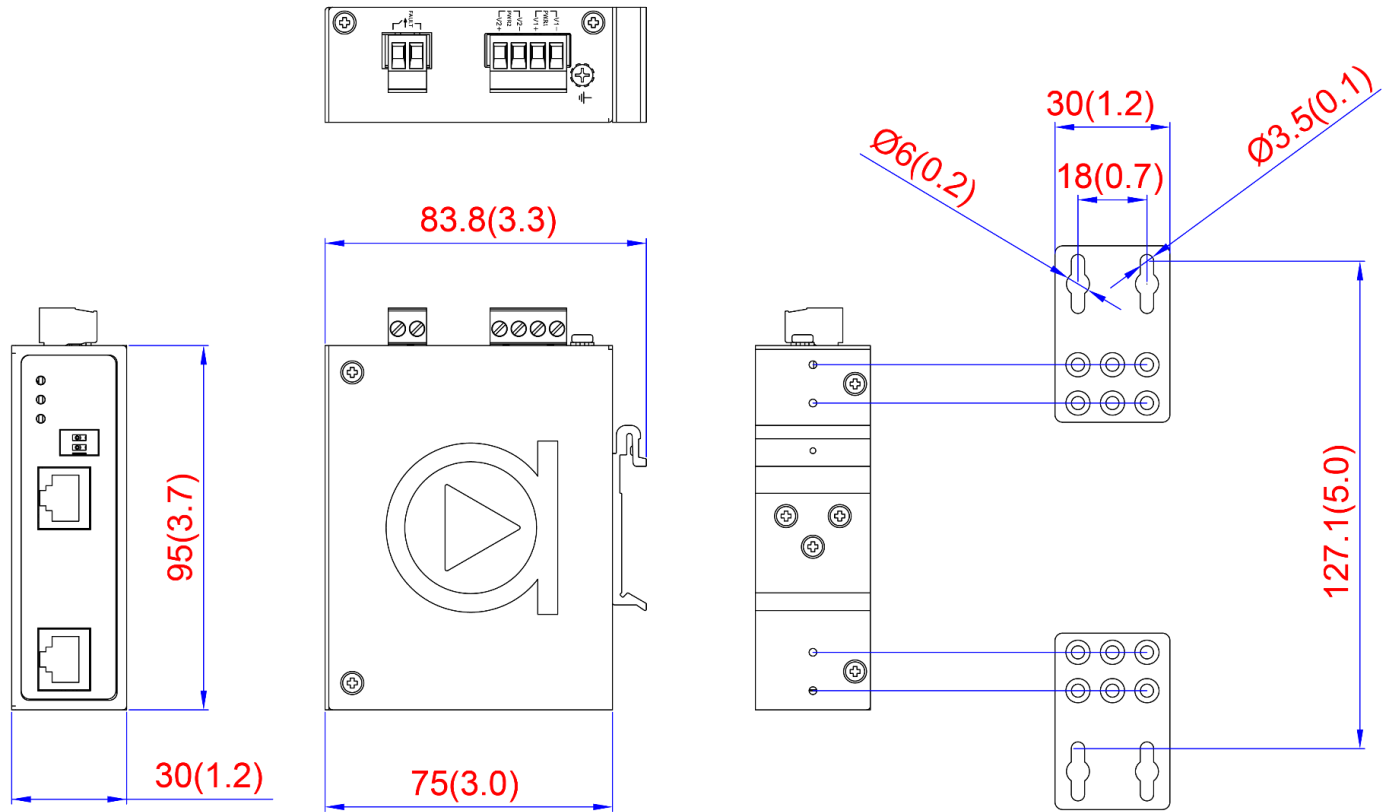


### INTRODUCTION

Antaira Technologies' INJ-C201G-bt-H-100-T, solves 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-H-100-T will be your best choice to deal with the lack of PoE function cases.

Additionally, INJ-C201G-bt-H-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 applications which are eager 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-H-100-T with fan-less design, besides extending surely 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

### Standards

IEEE Standards	IEEE 802.3 10BASE-T Ethernet IEEE 802.3u 100BASE-T Fast Ethernet IEEE 802.3ab 1000BASE-T Gigabit Ethernet IEEE 802.3af Power over Ethernet IEEE 802.3at Power over Ethernet plus IEEE 802.3bt Power over Ethernet plus plus
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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)
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**NOTE: The total length from device A through the Injector to device B must not exceed 100 meters.**

### PoE Injector Properties

Specification		Specification	
Transfer Rate	14,880pps for Ethernet 148,800pps for Fast Ethernet 1,488,000pps for Gigabit Ethernet	DIP Switch	DIP Switch 1: PoE Mode On- Enhanced / Off (default)- Standard DIP Switch 2: Dual PD Check On- Enable / Off (default)- Disable
Ethernet Port	2*10/100/1000BaseT(X) (1*Data IN, 1*PoE OUT)	LED Indicators	Power, PoE

Physical Specifications			
Specification		Specification	
Housing	Metal, IP30 protection	Weight	Unit: 0.80 lb. Shipping: 1.14 lb.
Dimensions	30 x 95 x 75 mm (W x H x D)	Mounting	DIN-Rail Mounting Wall Mounting

Hardware Specifications			
Specification		Specification	
Input Voltage	48-55VDC Redundant Input	PoE Power Budget	100 Watts
Power Connection	1 removable 4-contact and 2-contact terminal block	System Power Consumption	1.6W
Relay Contact	24VDC, 1A resistive	Operating Temperature	-40°C to 75°C
Reverse Polarity Protection	Present	Storage Temperature	-40°C to 85°C
Overload Current Protection	Present	Ambient Relative Humidity	5 to 95%, (non-condensing)
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		

Compliance Specifications			
Specification		Specification	
EMI	FCC Part 15 Subpart B Class A CE EN55032/EN61000-6-4 Class A	Green	RoHS Compliant
EMS	CE EN55035/EN61000-6-2 IEC61000-4-2,3,4,5,6,8	Certifications	FCC, CE
Free Fall	IEC60068-2-32	Compliance	NEMA TS1/TS2
Shock	IEC60068-2-27	Warranty	5 Years
Vibration	IEC60068-2-6		

## 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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