

# INJ-C201G-bt-H-100-24-T

Industrial Gigabit Enhanced PoE++ Injector  
 - 1\*10/100/1000Base-T(X) with Enhanced PoE-PSE  
 (100W/Port) + 1\*10/100/1000Base-T(X), Booster Version,  
 9~55VDC, EOT: -40°C to 75°C



## Features

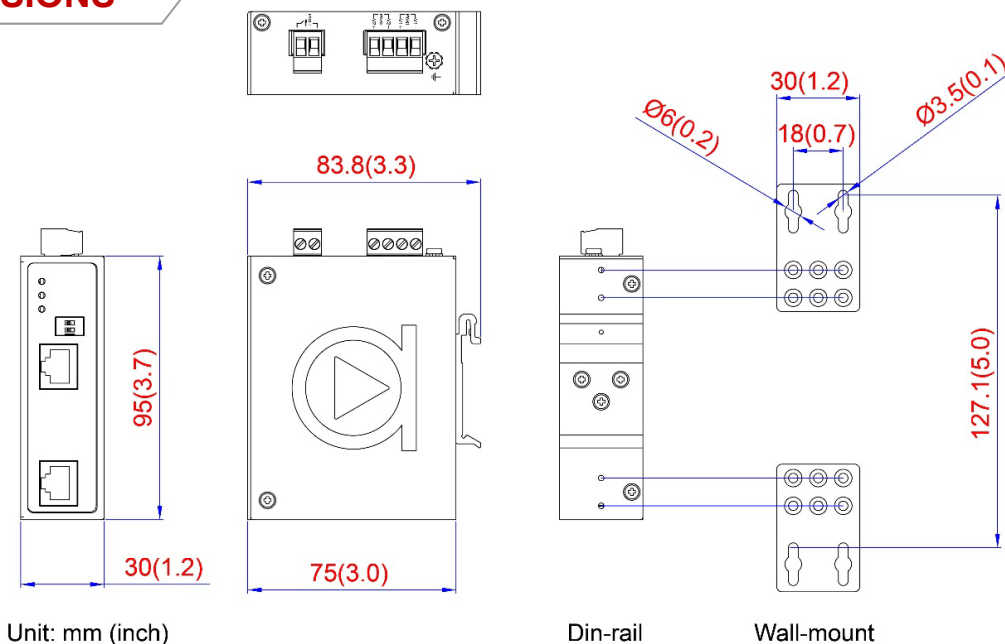
- ▶ Supports 10/100/1000Tx for PoE & Data Out
- ▶ IEEE 802.3af/at/bt Compliant PoE
- ▶ Provides Data and Power over Ethernet to Power Device
- ▶ Provides up to 100 Watts on PoE Port
- ▶ Provides power booster technology for lowvoltage power inputs
- ▶ Redundant 9~55VDC power inputs design
- ▶ Dip-switch setting for PoE mode and dual PD check
- ▶ IP30 Protection
- ▶ Operating Temperature Range -40°C to 75°C
- ▶ DIN-Rail or Wall Mountable
- ▶ 5-Year Warranty

## INTRODUCTION

Antaira Technologies' INJ-C201G-bt-H-100-24-T PoE injector is the solution for deploying data and power for a non-PoE switch to an end PD device. This PoE injector is a brilliant low-cost solution when the application requires PoE from a non-PoE data source.

INJ-C201G-bt-H-100-24-T support low voltage 9VDC model with power booster technology, ensuring full 90W PoE output from 12VDC power input, for better usage in the transportation and automation industry. Moreover, for special application which require more PoE power from the PSE device, this model also supports Enhanced PoE mode to offer up to 100W to the powered device from a low 24VDC input. INJ-C201G-bt-H-100-24-T with fan-less design boosts PoE for powering high-power devices and is designed for use in multiple applications. It works perfectly in wide temperature from -40°C to 75°C, and undoubtedly is your best option in the industrial market.

## DIMENSIONS



## SPECIFICATIONS

Technology		Power Requirement	
Standards	IEEE 802.3 10BaseT Ethernet	Input Voltage	9~55VDC Redundant Input (53~55VDC power input for BT PoE PSE) (DC to AC power supply sold separately)
	IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3ab 1000BaseT(X) IEEE 802.3af/at/bt Compliant PoE (Supports Bosch 7k & 9k Series MIC +/- Illuminator)		Power Connection
Switch Properties		Relay Contact	24VDC, 1A resistive
Transfer Rate	14,880pps for Ethernet Port	Reverse Polarity Protection	Present
	148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port	Overload Current Protection	Present
Interface		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
Ethernet Port	2*10/100/1000BaseT(X) (1*Data IN, 1*PoE OUT)		PoE Power Budget
DIP Switch	DIP Switch 1: PoE Mode On - Enhanced / Off (default) - Standard DIP Switch 2: Dual PD Check On - Enable / Off (default) - Disable	System Power Consumption	1.6W
LED Indicators	Power, PoE, PoE Load	Environmental Limits	
Mechanical Characteristics		Operating Temperature	-40°C to 75°C
Housing	Metal, IP30 protection	Storage Temperature	-40°C to 85°C
Dimensions	30 x 95 x 75 mm (W x H x D)	Ambient Relative Humidity	5 to 95%, (non-condensing)
Weight	Unit: 0.82 lb. Shipping: 1.16 lbs.	Regulatory Approvals	
Mounting	DIN-Rail Mounting, Wall Mounting	EMI	FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A
Protection		EMS	CE EN55035/EN61000-6-2, IEC61000-4-2,3,4,5,6,8
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)	Free Fall	IEC60068-2-32
	<b>NOTE: The total length from the device A through the injector to the device B must not exceed 100 meters</b>	Shock	IEC60068-2-27
		Vibration	IEC60068-2-6
		Green	RoHS Compliant
		Certifications	FCC, CE
		Compliance	NEMA TS1/TS2
		Warranty	5 Years

## ORDERING INFO

**INJ-C201G-bt-H-100-24-T** Industrial Gigabit Enhanced PoE++ Injector - 1\*10/100/1000Base-T(X) with Enhanced PoE-PSE (100W/Port) + 1\*10/100/1000Base-T(X), Booster Version, 9-55VDC, EOT: -40°C to 75°C