

## INJ-C201G-bt-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

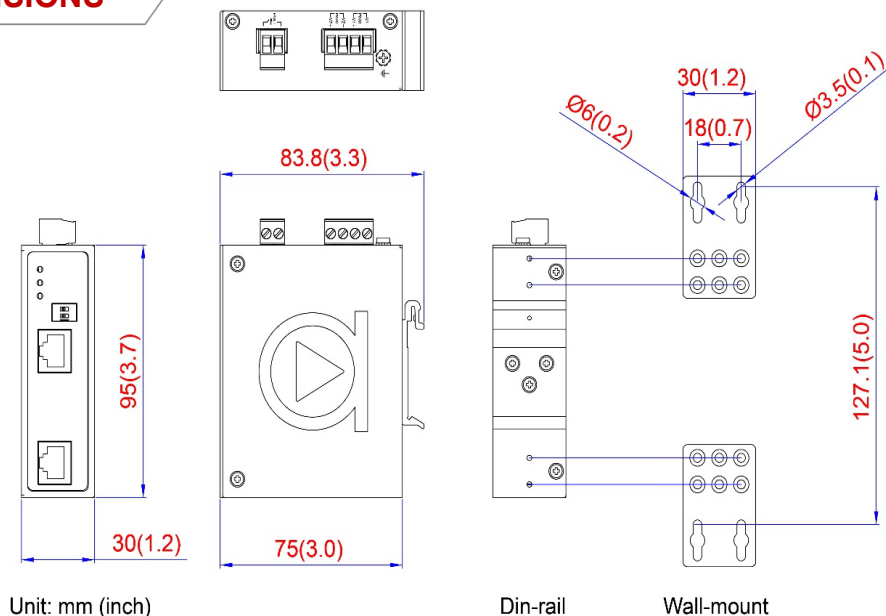
- ▶ Supports 10/100/1000Tx for PoE & Data Out
- ▶ IEEE 802.3af/at/bt Compliant PoE
- ▶ Provide Data and Power over Ethernet to Power Device
- ▶ Provides up to 100 Watts on PoE Port
- ▶ Provided power booster technologies for low voltage power inputs
- ▶ Redundant 9~55VDC power inputs design
- ▶ Dip-switch 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-100-24-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-100-24-T will be your best choice to deal with the lack of PoE function cases.

INJ-C201G-bt-100-24-T support low voltage 9VDC model with power booster technology, ensuring full 90W PoE output, 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-100-24-T with fan-less design, besides extending surely apply to various industrial application, it works perfectly in polarized temperature from -40°C to 75°C, and undoubtedly becomes your best option in the industrial market.

### DIMENSIONS



## 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>	9~55VDC Redundant Input (53~55VDC power input for BT PoE PSE)
<b>Switch Properties</b>		<b>Power Connection</b>	1 removable 4-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, PoE Load	<b>PoE Power Budget</b>	60W@9VDC, 90W@12VDC, 100W@24-55VDC
<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: 0.82 lb. Shipping: 1.16 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>NOTE: The total length from the device A through the injector to the device B must not exceed 100 meters</b>	<b>EMI</b>	FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A
		<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, 61010-2-201
		<b>Compliance</b>	NEMA TS1/TS2
		<b>Warranty</b>	5 Years

## ORDERING INFO

**INJ-C201G-bt-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

## 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.

### US

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +1 347 719 4508  
Support: +1 347 719 4508

1309 Coffeen Ave  
Ste 1200  
Sheridan  
WY 82801  
USA

### EMEA

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +44 (0)1785 879 050  
Support: +44 (0)1785 879 050

Unit A5 Douglas Park  
Stone Business Park  
Stone  
ST15 0YJ  
United Kingdom

VAT Number: 120 9546 28  
Business Registration Number: 07699660