

# INJ-C201G-bt-T

Industrial Gigabit PoE++ Injector  
 - 1\*10/100/1000Base-T(X) with PoE-PSE (90W/Port) +  
 1\*10/100/1000Base-T(X), EOT: -40°C to 75°C



## Features

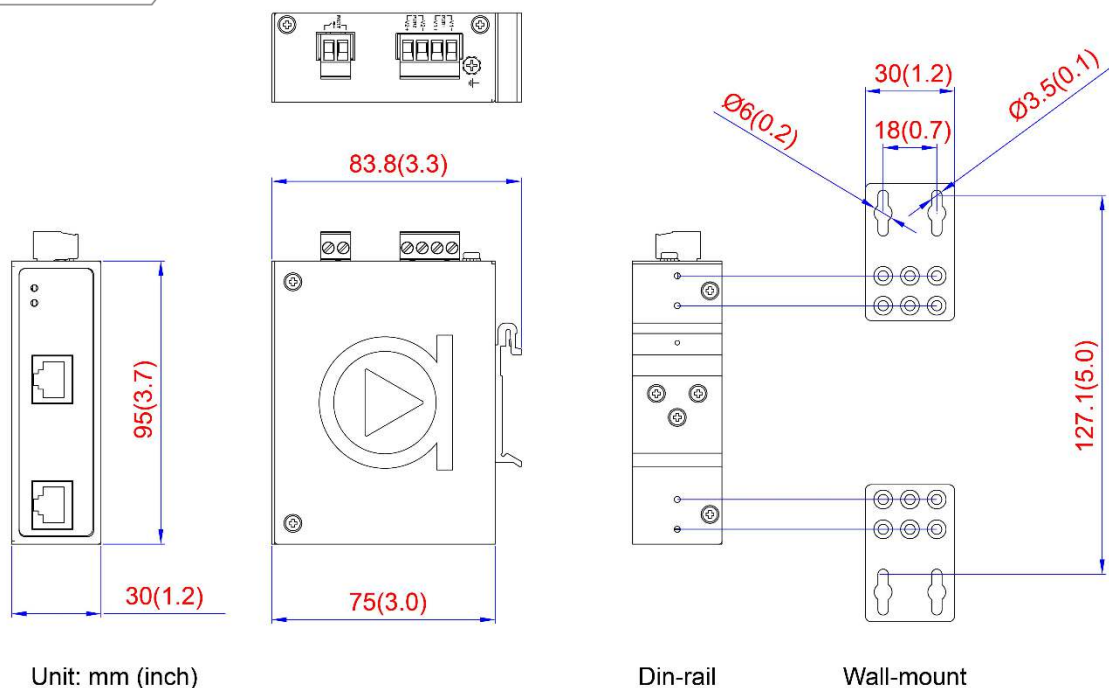
- ▶ Supports 10/100/1000Tx for PoE & Data Out
- ▶ IEEE 802.3af/at/bt Compliant PoE
- ▶ Provide Data and Power over Ethernet to Power Device
- ▶ Provides up to 90 Watts on PoE Port
- ▶ Redundant 48-55VDC power inputs design
- ▶ IP30 Protection
- ▶ Operating Temperature Range – -40°C to 75°C
- ▶ DIN-Rail or Wall Mountable
- ▶ 5-Year Warranty

## INTRODUCTION

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

Additionally, INJ-C201G-bt-T supports power input from 48VDC to 55VDC, ensuring full 90W PoE output, in compliance with IEEE 802.3bt standard for better usage in various industrial markets, like automation, surveillance and vehicle industry. Besides that, with fan-less design, this model series also works perfectly in polarized temperature from -40~75°C, and undoubtedly becomes your best option in the harsh environment.

## DIMENSIONS



## SPECIFICATIONS

|                                   |   |                                    |  |
|-----------------------------------|---|------------------------------------|--|
| <b>Technology</b>                 |   | <b>Power Requirement</b>           |  |
| <b>Standards</b>                  | IEEE 802.3 10BaseT Ethernet<br>IEEE 802.3u 100BaseTX Fast Ethernet<br>IEEE 802.3ab 1000BaseT(X)<br>IEEE 802.3af/at/bt Power over Ethernet   | <b>Input Voltage</b>               | 48~55VDC Redundant Input<br>(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<br>148,800pps for Fast Ethernet Port<br>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)<br>(1*Data IN, 1*PoE OUT)   | <b>Overload Current Protection</b> | Present  |
| <b>LED Indicators</b>             | Power, PoE  | <b>PoE Pin Assignment</b>          | V-, V-, V+, V+, for pin 1, 2, 3, 6;<br>V+, V+, V-, V-, for pin 4, 5, 7, 8<br>*Support Modes: Mode A, Mode B, 4-Pair Mode |
| <b>Mechanical Characteristics</b> |   | <b>PoE Power Budget</b>            | 90Watts  |
| <b>Housing</b>                    | Metal, IP30 protection  | <b>System Power Consumption</b>    | 1.6W   |
| <b>Dimensions</b>                 | 30 x 95 x 75 mm (W x H x D)   | <b>Environmental Limits</b>        |  |
| <b>Weight</b>                     | Unit: 0.77 lb.<br>Shipping: 1.12 lbs.   | <b>Operating Temperature</b>       | -40°C to 75°C  |
| <b>Mounting</b>                   | DIN-Rail Mounting, Wall Mounting  | <b>Storage Temperature</b>         | -40°C to 85°C  |
| <b>Protection</b>                 |   | <b>Ambient Relative Humidity</b>   | 5 to 95%, (non-condensing)   |
| <b>Network Cable</b>              | 10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable<br>EIA/TIA-568 100-ohm (100m)<br>100Base-TX: 2-pair UTP/STP Cat. 5 cable<br>EIA/TIA-568 100-ohm (100m)<br>1000Base-TX: 4-pair UTP/STP Cat.5/5E cable;<br>EIA/TIA-568 100-ohm (100m) | <b>Regulatory Approvals</b>        |  |
|                                   | <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,<br>CE EN55032/EN61000-6-4 Class A   |
|                                   |   | <b>EMS</b>                         | CE EN55035/EN61000-6-2,<br>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

**INJ-C201G-bt-T** Industrial Gigabit PoE++ Injector - 1\*10/100/1000Base-T(X) with PoE-PSE (90W/Port) + 1\*10/100/1000Base-T(X), 48-55VDC, EOT: -40°C to 75°C