

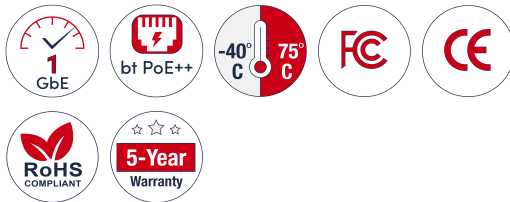
INJ-0201G-bt-AC-100(-T)

INDUSTRIAL GIGABIT ENHANCED POE++ INJECTOR



FEATURES

- Supports 10/100/1000T for PoE & Data Out
- IEEE 802.3af/at/bt PoE++ Compliant
- Support A.PoE Mode
- Provide Data and Power over Ethernet to Power Device
- Provides Up to 100 Watts on PoE Port
- DIP-Switch Setting for PoE Mode and Dual PD Check
- 100-240VAC Power Input Design
- IP30 Protection
- Operating Temperature - STD: -10°C to 65°C
EOT: -40°C to 75°C
- DIN-Rail or Wall Mountable
- 5-Year Warranty



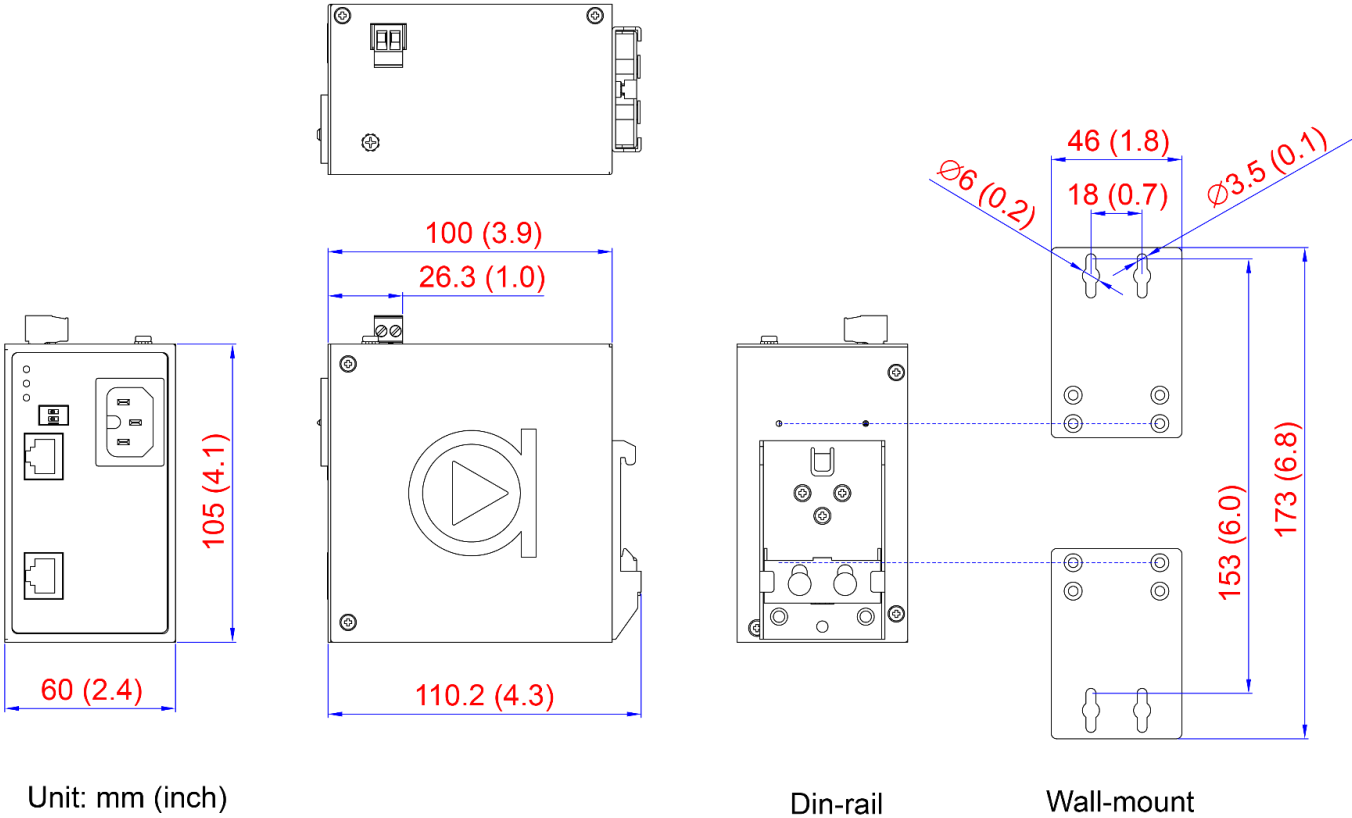
INTRODUCTION

The Antaira INJ-0201G-bt-AC-100 Series is a high-performance, cost-effective solution that enables the deployment of Power over Ethernet (PoE) in non-PoE environments. This PoE++ injector seamlessly combines data and power from a non-PoE switch and power input, delivering it over a single Ethernet cable to a Powered Device (PD). Additionally, the INJ-0201G-bt-AC-100 Series features an integrated 100-240VAC power input, ensuring a full 100W PoE output in compliance with the IEEE 802.3bt standard. For applications requiring maximum power, this model also supports an Enhanced PoE mode to reliably offer up to 100W to the powered device, making it ideal for high-power automation applications. Designed for demanding industrial environments, the fan-less INJ-0201G-bt-AC-100 Series provides IP30 protection and supports an extended operating temperature range of -40°C to 75°C (-T model), establishing it as a rugged and reliable choice for the industrial market.

SPECIFICATIONS

Hardware Specifications							
Part Number	Total Ports	RJ-45 GE	100W PoE++	PoE Power Budget	System Power	Input Voltage	Operating Temp.
INJ-0201G-bt-AC-100	2	2	1	100W@100-240VAC	3.9W	100-240VAC, 50-60Hz	-10 to 65°C 14 to 149°F
INJ-0201G-bt-AC-100-T	2	2	1	100W@100-240VAC	3.9W	100-240VAC, 50-60Hz	-40 to 75°C -40 to 167°F

Physical Specifications							
Part Number	Dimensions (W x H x D)	Weight (Unit)	Weight (Shipping)	Mounting	Housing	PoE LED Indicator	PoE Pin Assignment
INJ-0201G-bt-AC-100 INJ-0201G-bt-AC-100-T	60 x 105 x 100mm 2.3 x 4.1 x 3.93in	0.9kg 1.98lbs	1.32kg 2.91lbs	DIN-Rail Wall Mount	Metal, IP30	Yes	V-, V-, V+, V+, for pin 1, 2, 3, 6 V+, V+, V-, V-, for pin 4, 5, 7, 8 (Mode A, Mode B, 4-Pair Mode)



Standards	
Part Number	IEEE Standards
INJ-0201G-bt-AC-100 INJ-0201G-bt-AC-100-T	IEEE 802.3 10BASE-T Ethernet IEEE 802.3u 100BASE-TX 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

Switch Properties			
Specification		Specification	
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port	Overload Current Protection	Present
Relay Contact	24VDC, 1A resistive	Reverse Polarity Protection	Present

Compliance Specifications	
EMI	FCC Part 15 Subpart B Class A CE EN 55032/EN 61000-6-4 Class A
EMS	CE EN 55035/EN 61000-6-2 Class A: IEC 61000-4-2,3,4,5,6,8,11
Free Fall	IEC 60068-2-32
Shock	IEC 60068-2-27
Vibration	IEC 60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE
Storage Environment	Storage Temperature: -40 to 85°C
Humidity	Ambient Relative Humidity 5% to 95%, (non-condensing)
Warranty	5 Years

Mean Time Between Failures (MTBF)			
Part Number	MTBF (Telcordia SR-332, Issue 3)	Part Number	MTBF (Telcordia SR-332, Issue 3)
INJ-0201G-bt-AC-100	719,438.1588 hrs.	INJ-0201G-bt-AC-100-T	719,438.1588 hrs.

ORDERING INFORMATION

PoE Injector Models	
Part Number	Description
INJ-0201G-bt-AC-100	Industrial Gigabit Enhanced PoE++ Injector - 1*10/100/1000BASE-T with Enhanced PoE-PSE (100W/Port) + 1*10/100/1000BASE-T, 100-240VAC
INJ-0201G-bt-AC-100-T	Industrial Gigabit Enhanced PoE++ Injector - 1*10/100/1000BASE-T with Enhanced PoE-PSE (100W/Port) + 1*10/100/1000BASE-T, 100-240VAC, EOT: -40°C to 75°C

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 Specifications are subject to change without notice and without incurring any obligation.