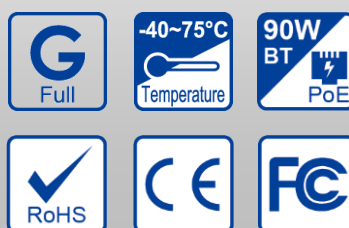


INJ-101GT-BT-24V

► **Industrial 1-port Gigabit BT PoE Injector, 12 to 57VDC**

Features

- PoE++ Injector for 1x10/100/1000Base-T(X)
- Fully compliant with IEEE802.3af/at/bt standard
- Auto protection for Over Voltage Power Input and over current output
- Supports totally Power Output up to 90 Watts.
- Support wide range power input from 12 to 57VDC
- High reliability and rigid IP-30 housing
- DIN-Rail and Wall Mount Design



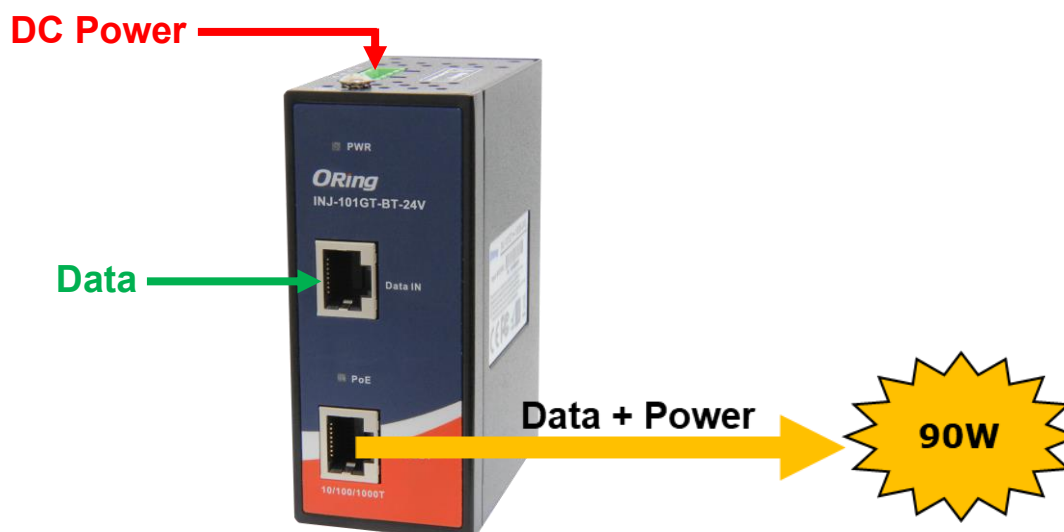
*NOTE: This function is available by request only

Introduction

The INJ-101GT-BT-24V is a IEEE802.3af/at/bt PoE injector. It is intelligent detection that provided 1-port 10/100/1000Base-T (X) PoE outputs. The device does not turn on power until it detects a valid PoE signature from the PoE devices attached downstream on the Ethernet cable. This protection against damage to non-PoE compliant equipment which may be connected to the Ethernet cable. Therefore, only an IEEE 802.3af/at/bt compliant device can be powered with the INJ-101GT-BT-24V Injector, typically in Gigabit networks the maximum allowable CAT5 cable length is about 100 meters due to the limitation of the Ethernet standards. The INJ-101GT-BT-24V PoE Injector can function with any PoE P.D. equipment which is fully compliant with the IEEE 802.3af/at/bt PoE standards.

*NOTE: This function is available by request only

Application

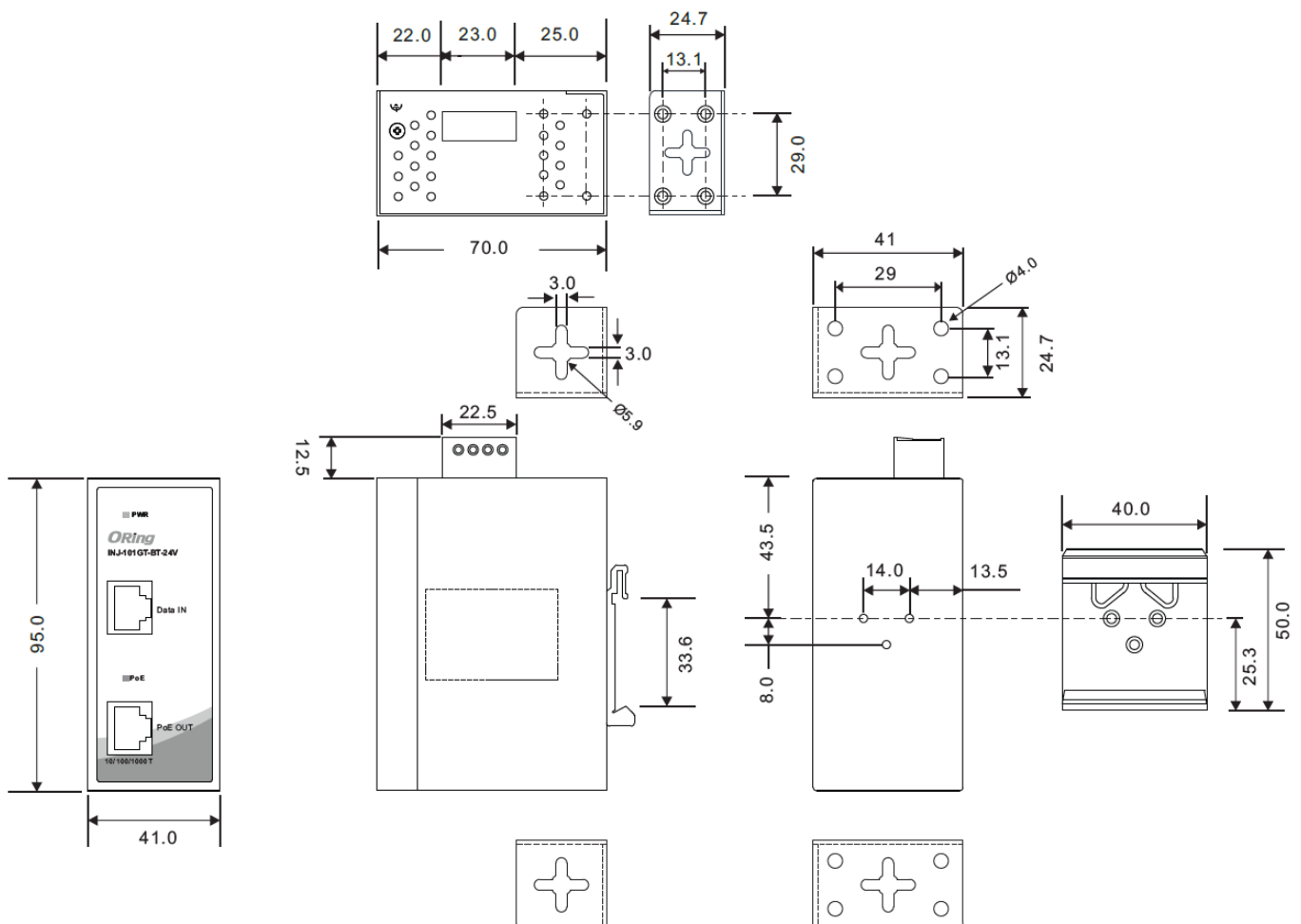


Connector/Pin Definition

RJ-45 Ethernet Port Input		
Pin No.	10/100 Base-T(X)	1000Base-T
#1	RD+(receive)	BI_DA+
#2	RD-(receive)	BI_DA-
#3	TD+(transmit)	BI_DB+
#4	Not used	BI_DC+
#5	Not used	BI_DC-
#6	TD-(transmit)	BI_DB-
#7	Not used	BI_DD+
#8	Not used	BI_DD-

RJ-45 Ethernet Port with P.S.E. Output		
Pin No.	10/100 Base-T(X)	1000Base-T
#1	RD+ with PoE Power output -	BI_DA+ with PoE Power output -
#2	RD- with PoE Power output -	BI_DA- with PoE Power output -
#3	TD+ with PoE Power output +	BI_DB+ with PoE Power output +
#4	Only PoE Power output +	BI_DC+ with PoE Power output +
#5	Only PoE Power output +	BI_DC- with PoE Power output +
#6	TD- with PoE Power output +	BI_DB- with PoE Power output +
#7	Only PoE Power output -	BI_DD+ with PoE Power output -
#8	Only PoE Power output -	BI_DD- with PoE Power output -

Dimensions



Specifications

ORing Switch Model	INJ-101GT-BT-24V
Physical Ports	
RJ-45 Ethernet Port Input	1
RJ-45 Ethernet Port with P.S.E. Output	1
LED indicators	
Power Indicator	PWR: 1 x LED Green On: Power is on and functioning Normally.
PoE Indicators	1 x LED Blue On: PoE Device Link Off: None PoE Device Detected Blink (Blue): Overload present
Power	
Operating Voltage	12 ~ 57 VDC
Input Power	DC on 4-pin terminal block
Power Consumption	1.5 Watts (Without PoE)
PoE Power Budget	30Watts at 12~23.9VDC, 90Watts at 24~57VDC
Protection	
Short Circuit Protection	When the current is overloaded, the fuse activates protection.
Reverse Polarity Protection	When the power supply is reversed, the device is not powered.
Over Load Protection	When the PoE output is over 90W, the output function will stop.
Physical Characteristic	
Enclosure	IP-30
Dimension (W x D x H)	41(W)x70(D)x95(H)mm (1.03 x 2.76 x 3.74 inch)
Weight (g)	346g
Environmental	
Storage Temperature	-40 to 85°C (-40 to 185°F)
Operating Temperature	-40 to 75°C (-40 to 167°F)
Operating Humidity	5% to 95% Non-condensing
Regulatory approvals	
EMC	CE EMC (EN 55035, EN 55032), FCC Part 15B
EMI	EN 55032, CISPR32, EN 61000-3-2, EN 61000-3-3, FCC Part 15B class A
EMS	EN 55035 (IEC/EN 61000-4-2 (ESD), IEC/EN 61000-4-3 (RS), IEC/EN 61000-4-4 (EFT), IEC/EN 61000-4-5 (Surge), IEC/EN 61000-4-6 (CS), IEC/EN 61000-4-8(PFMF))
Shock	IEC 60068-2-27
Free Fall	IEC 60068-2-31
Vibration	IEC 60068-2-6
Safety	EN 62368-1, UL 61010-1
MTBF	1834973 hrs (@ 25°C)
Warranty	5 years

*NOTE: This function is available by request only

Ordering Information

INJ-1 **AA** **B** **C** **D**

Code Definition	Ethernet Input Port Number	PoE Output Port Number	Ethernet Input Classification	PoE Classification	Input voltage range indication
Option	- 1:1 port	- 1:1 port	- GT :Gigabit Ethernet	" " : IEEE802.3af/at standard - BT : IEEE802.3bt standard	- 24V : 12-57VDC power input range
Available Model	Model Name	Description			
	INJ-101GT-BT-24V	INJ-101GT-BT-24V; Din-Rail;1GT; PD(802.3bt);General;S;00			
Packing List <ul style="list-style-type: none">INJ-101GT-BT-24V x 1Dust Cover (RJ-45) x 1Dust Cover (SFP) x 1Screw (M3 X3)x 8Wall-mounted kit x 225mm DIN-Rail kit x 1Quick Installation Guide x 1		Optional Accessories <ul style="list-style-type: none">NA			

*All specifications are subject to change without notice