



GINJ-0201-EBT Series

Industrial Gigabit Enhanced PoE++ Injector

-1*10/100/1000Base-T(X) with Enhanced PoE-PSE (100W/Port)
+ 1*10/100/1000Base-T(X), 48-55VDC



- Inject power and Gigabit Ethernet data to PoE P.D. equipment
- IEEE 802.3af/at/bt compliant PoE
- Support Enhanced PoE output up to 100W
- Redundant 48-55VDC power inputs design
- Operating temperature range: -40°C ~ 75°C



Introduction

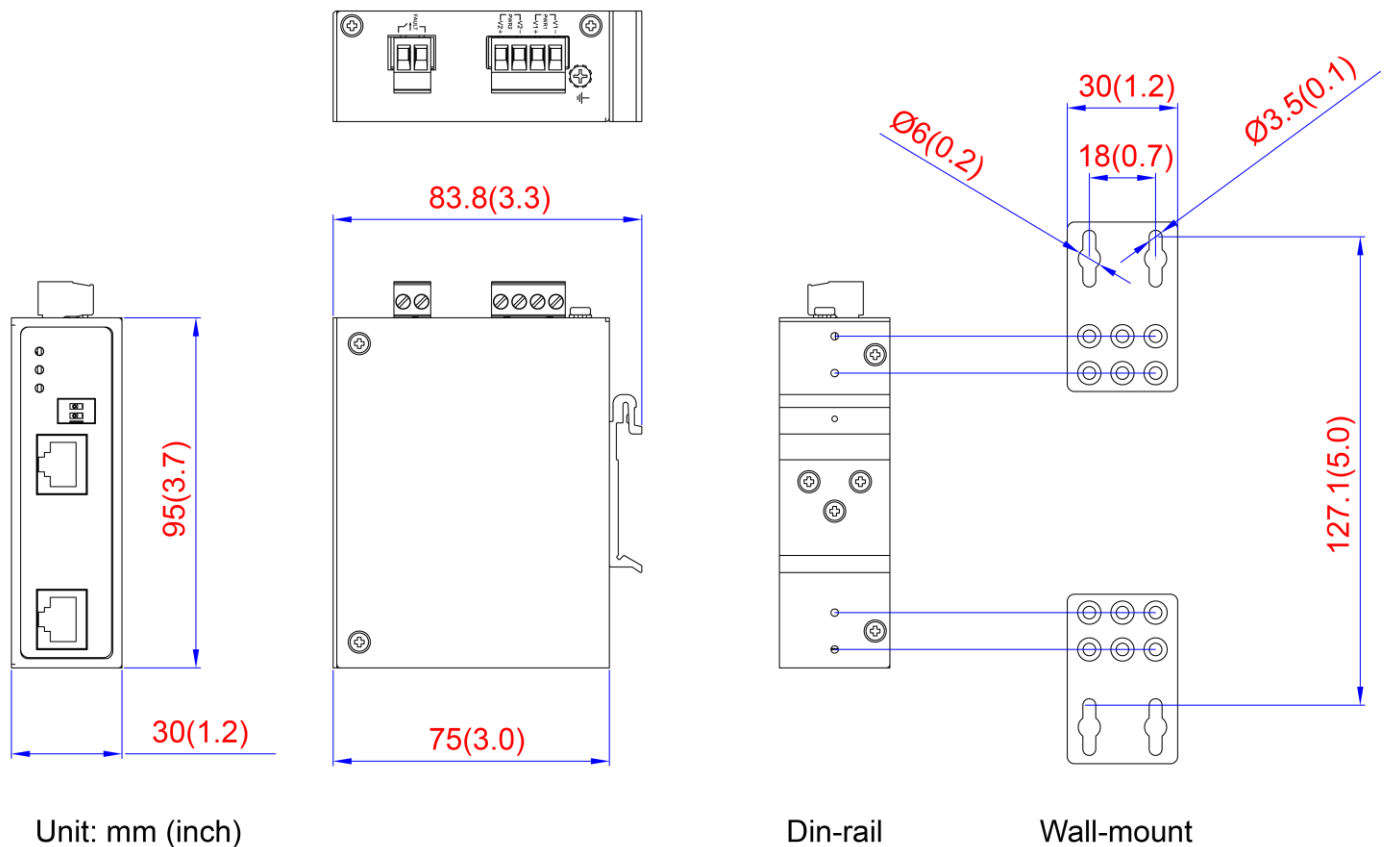
PoE and Non-PoE are both highly utilized in the industrial networking applications nowadays; however, it sometimes goes to an awkward situation that end-device, e.g. remote camera, supports PoE function but the Ethernet switch does not. Is there any other solution but replacing the switch with a PoE one?

GINJ-0201-EBT Series 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, Leonton's GINJ-0201-EBT Series will be your best choice to deal with the lack of PoE function cases.

Additionally, GINJ-0201-EBT supports power input from 48VDC to 55VDC, ensuring full 90W PoE output, in compliance with IEEE 802.3bt standard, 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.

GINJ-0201-EBT Series with fan-less design, besides extending surely apply to various industrial applications, works perfectly in polarized temperature from -40~75°C, and undoubtedly becomes your best option in the industrial market.

Dimension



Specification

Interface

RJ45 Ports	1*10/100/1000Base-T(X)
RJ45 Ports (P.S.E. out)	1*10/100/1000Base-T(X) with PoE++ (compliant IEEE 802.3af/at/bt)
PoE Pin Out	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
Dip Switch	DIP 1 - PoE Mode: OFF (Standard PoE), ON (Enhanced PoE) DIP 2 - Dual PD Check: OFF (Disabled), ON (Enabled)
LED Indicators	PWR: Power input connection status PoE: PoE supply status P/L: PoE loading status
Relay Contact	24 VDC, 1A resistive
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)

NOTE: The total length from the device A through the Injector to the device B must not exceed 100 meters

Power Requirements

Input Voltage	Dual 48-55VDC redundant power inputs * For IEEE802.3 bt application, power supply not less than 53V is recommended
Power Connection	1 removable 4-contact terminal block
Overload Current Protection	Present (Slow-Blow Fuse)
Reverse Polarity Protection	Present
System Power Consumption	Max. 1.6W full loading
Max. PoE Power Budget	Standard PoE Mode: 60W@9VDC, 90W@12-55VDC Enhanced PoE Mode: 60W@9VDC, 90W@12VDC, 100W@24-55VDC

Mechanical Characteristics

Housing	Metal, IP30 protection
Dimensions (W x H x D)	30 x 95 x 75 mm
Weight	Unit weight: 0.36 kg (0.8 lbs.), Shipping weight: 0.5 kg (1.12 lbs.)
Mounting	DIN-Rail Mounting, Wall Mounting

Environmental Limits

Operating Temperature	-40°C ~ 75°C (-40°F ~ 167°F)
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
Ambient Relative Humidity	5 to 95%, (non-condensing)

Regulatory Approvals

EMI	FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A
EMS	CE EN55035/EN61000-6-2: IEC61000-4-2 (ESD), IEC61000-4-3 (RS), IEC61000-4-4 (EFT), IEC61000-4-5 (Surge), IEC61000-4-6 (CS), IEC61000-4-8 (Magnetic Field)
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Safety	UL61010-1, UL61010-2-201
MTBF (Telcordia SR-332, Issue 3, GB, 25°C)	730,859 hrs.
Warranty	5 Years

NOTE: Due to continuous improvement, all product specifications are subject to change without further notice.

Package Contents

pcs

GINJ-0201-EBT-T PoE Injector	1
Wall-mount installation kits	2
Quick installation guide (printed)	1

Ordering Information

GINJ-0201-EBT-T	Industrial Gigabit Enhanced IEEE 802.3bt PoE Injector -1*10/100/1000Base-T(X) with PoE-PSE (100W/Port) + 1*10/100/1000Base-T(X), 48-55VDC, -40°C~75°C
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Optional Accessories - Power Supply Series

120W Power Supply Series

EDR-120-48	120W Industrial DIN-Rail Power Supply, 48VDC/2.5A, Universal 90-264VAC/127-370VDC power input, Metal, -20°C ~ 60°C
NDR-120-48	120W Industrial DIN-Rail Power Supply, 48VDC/2.5A, Universal 90-264VAC/127-370VDC power input, Metal, -20°C ~ 70°C

240W Power Supply Series

NDR-240-48	240W Industrial DIN-Rail Power Supply w/ PFC, 48VDC/5A, Universal 90-264VAC/127-370VDC power input, Metal, -20°C ~ 70°C
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480W Power Supply Series

NDR-480-48	480W Industrial DIN-Rail Power Supply w/ PFC, 48VDC/10A, Universal 90-264VAC/127-370VDC power input, Metal, -20°C ~ 70°C
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