



GINJ-0201-AT-24 Series

Industrial Gigabit PoE+ Injector
- 1*10/100/1000BASE-T with PoE-PSE (30W/Port) +
1*10/100/1000BASE-T, Booster Version



- Inject power and Gigabit Ethernet data to PoE P.D. equipment
- IEEE 802.3af/at compliant PoE, Max. PoE power budget 30W
- Provided power booster technologies for low voltage power inputs
- Redundant 12-55VDC power inputs design
- Operating temperature range - STD: -10°C ~ 65°C, EOT: -40°C ~ 75°C



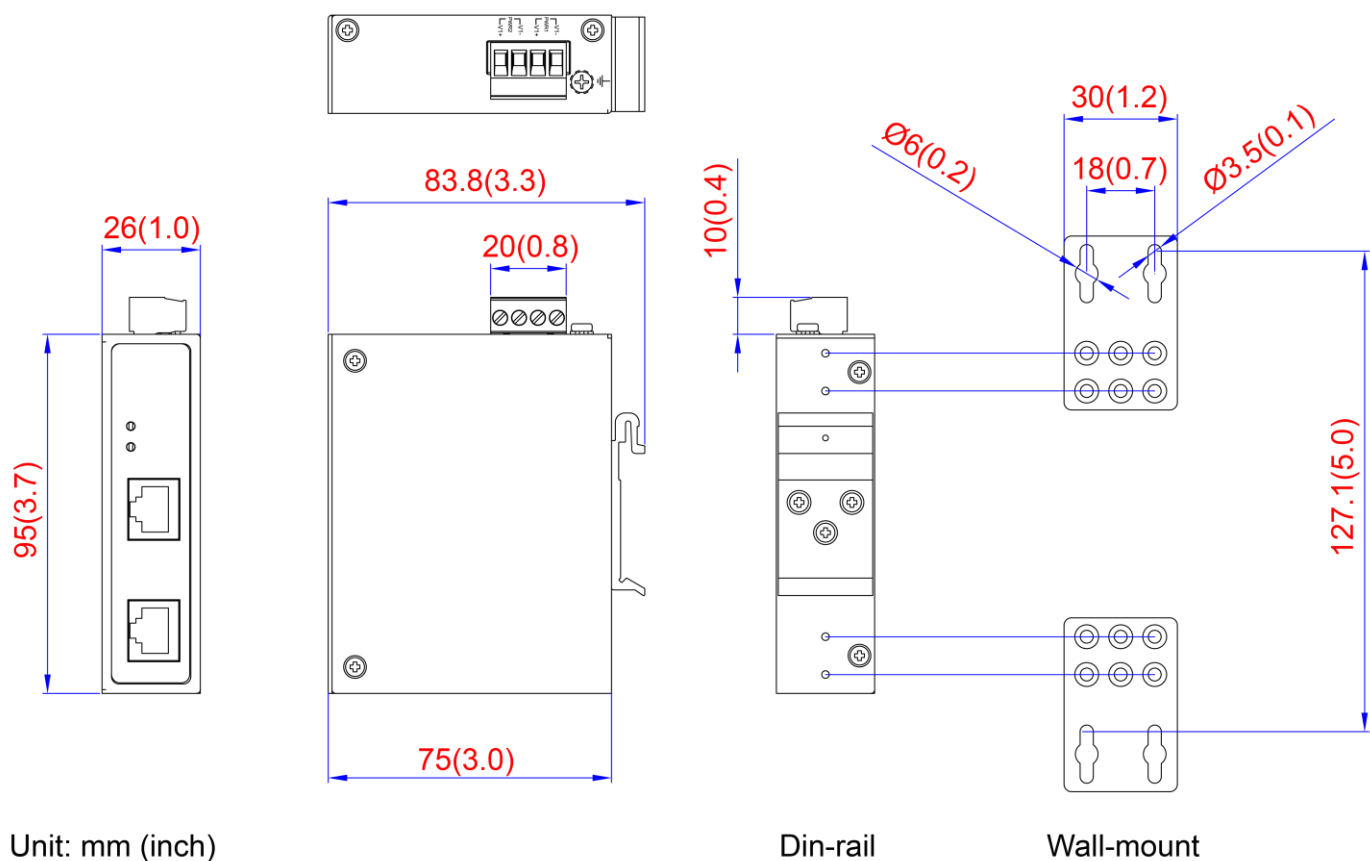
Introduction

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-AT-24 Series, launched by Leonton, 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-AT-24 Series will be your best choice to deal with the lack of PoE function cases.

GINJ-0201-AT-24 Series support low voltage 24VDC model with power booster technology, ensuring full 30W PoE output, for better usage in the automation industry. GINJ-0201-AT-24 Series with fan-less design, besides extending surely apply to various industrial application, GINJ-0201-AT-24 Series 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
RJ45 Ports (P.S.E. out)	1*10/100/1000BASE-T with PoE+ (compliant IEEE 802.3af/at)
PoE Pin Out	V+, V+, V-, V-, for pin 1, 2, 3, 6 (End-span, Mode A) & pin 4, 5, 7, 8 (Mid-span, Mode B)
LED Indicators	System: Power PoE: On-connected to PD devices
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-T: 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 12-55VDC redundant power inputs
Power Connection	1 removable 4-contact terminal block
Overload Current Protection	Present (Slow-Blow Fuse)
Reverse Polarity Protection	Present
System Power Consumption	Max. 1.44W full loading
Max. PoE Power Budget	30W@12VDC-55VDC

Mechanical Characteristics

Housing	Metal, IP30 protection
Dimensions (W x H x D)	26 x 95 x 75 mm (1.02 x 3.74 x 2.95 inch)
Weight	Unit weight: 0.276 kg (0.60 lb), Shipping weight: 0.386 kg (0.85 lb)

Mounting	DIN-Rail Mounting, Wall Mounting
Environmental Limits	
Operating Temperature	STD: -10°C ~ 65°C (14°F ~ 149°F) EOT: -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 Class A: 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)	2,516,532 hrs.
Warranty	5 Years
NOTE: Due to continuous improvement, all product specifications are subject to change without further notice.	

Packet Contents	pcs
GINJ-0201-AT-24(-T) PoE Injector	1
Wall-mount installation kits	2
Quick installation guide (printed)	1

Comparison Table					
Model Name	10/100/1000T PoE+	10/100/1000T	Power Inputs	PoE Max. Power Budget	Operating Temperature
GINJ-0201-AT-24	1	1	12-55VDC	30W	-10°C ~ 65°C
GINJ-0201-AT-24-T	1	1	12-55VDC	30W	-40°C ~ 75°C

Ordering Information	
GINJ-0201-AT-24	Industrial Gigabit PoE+ Injector -1*10/100/1000BASE-T with PoE-PSE (30W/Port) + 1*10/100/1000BASE-T, Booster Version, 12-55VDC, -10°C ~ 65°C
GINJ-0201-AT-24-T	Industrial Gigabit PoE+ Injector -1*10/100/1000BASE-T with PoE-PSE (30W/Port) + 1*10/100/1000BASE-T, Booster Version, 12-55VDC, -40°C ~ 75°C

Optional Accessories - Power Supply Series	
30W Power Supply Series	
HDR-30-24	36W Industrial DIN-Rail Power Supply, 24VDC/1.5A, Universal 85-264VAC/120-370VDC power input, Plastic, -30°C ~ 70°C
60W Power Supply Series	
HDR-60-24	60W Industrial DIN-Rail Power Supply, 24VDC/2.5A, Universal 88-264VAC/124-370VDC power input, Plastic, -30°C ~ 70°C
MDR-60-24	60W Industrial DIN-Rail Power Supply, 24VDC/2.5A, Universal 85-264VAC/120-370VDC power input, Plastic, -20°C ~ 70°C

75W Power Supply Series	
EDR-75-48	75W Industrial DIN-Rail Power Supply, 48VDC/1.6A, Universal 90-264VAC/127-370VDC power input, Metal, -20°C ~ 60°C
NDR-75-48	75W Industrial DIN-Rail Power Supply, 48VDC/1.6A, Universal 90-264VAC/127-370VDC power input, Metal, -20°C ~ 70°C
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-120-24	120W Industrial DIN-Rail Power Supply, 24VDC/5A, Universal 90-264VAC/127-370VDC power input, Metal, -20°C ~ 70°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
SDR-240-24	240W Industrial DIN-Rail Power Supply w/ PFC, 24VDC/10A, Universal 88-264VAC/124-370VDC power input, Metal, -25°C ~ 70°C
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