



Wavesys

Industrial Grade Switch

WINJ-0201-30W-24

Industrial Gigabit PoE+ Injector

- 1*10/100/1000Base-T(X) with PoE-PSE (30W/Port)

+ 1*10/100/1000Base-T(X), Booster Version



About the Injector : 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?

Wavesys's WINJ-0201-30W-24 Series, launched by wavesys, 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, Wavesys's WINJ-0201-30W-24 Series will be your best choice to deal with the lack of PoE function cases.

WINJ-0201-30W-24 Series support low voltage 24VDC model with power booster technology, ensuring full 30W PoE output, for better usage in the automation industry. WINJ-0201-30W-24 Series with fan-less design, besides extending surely apply to various industrial application,

WINJ-0201-30W-24 Series works perfectly in polarized temperature from $-40\sim 75^{\circ}\text{C}$, and undoubtedly becomes your best option in the industrial market.

Key Features

- 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 Input
- Redundant 12-55VDC power inputs design
- Operating temperature range - STD: $-10^{\circ}\text{C} \sim 65^{\circ}\text{C}$, Extd: $-40^{\circ}\text{C} \sim 75^{\circ}\text{C}$

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)
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-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 12-55VDC redundant power inputs
Power Connection	1*removable 6-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: 281g, Shipping weight: 386g
Mounting	DIN-Rail Mounting, Wall Mounting

Environmental Limits

Operating Temperature STD: -10°C ~ 65°C (14°F ~ 149°F)
 Extd -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 EN55022 Class A

EMS 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

Compliance 2,516,532 hrs.
3, GB, 25°C)

Warranty 5 Years

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

Optional Accessories - Power Supply Series

30W Power Supply Series

WHDR-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

WHDR-60-24 60W Industrial DIN-Rail Power Supply, 24VDC/2.5A, Universal 88-264VAC/124-370VDC power input, Plastic, -30°C ~ 70°C

WMDR-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

WEDR-75-48 75W Industrial DIN-Rail Power Supply, 48VDC/1.6A, Universal 90-264VAC/127-370VDC power input, Metal, -20°C ~ 60°C

WNDR-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

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

WNDR-120-24 120W Industrial DIN-Rail Power Supply, 24VDC/5A, Universal 90-264VAC/127-370VDC power input, Metal, -20°C ~ 70°C

WNDR-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

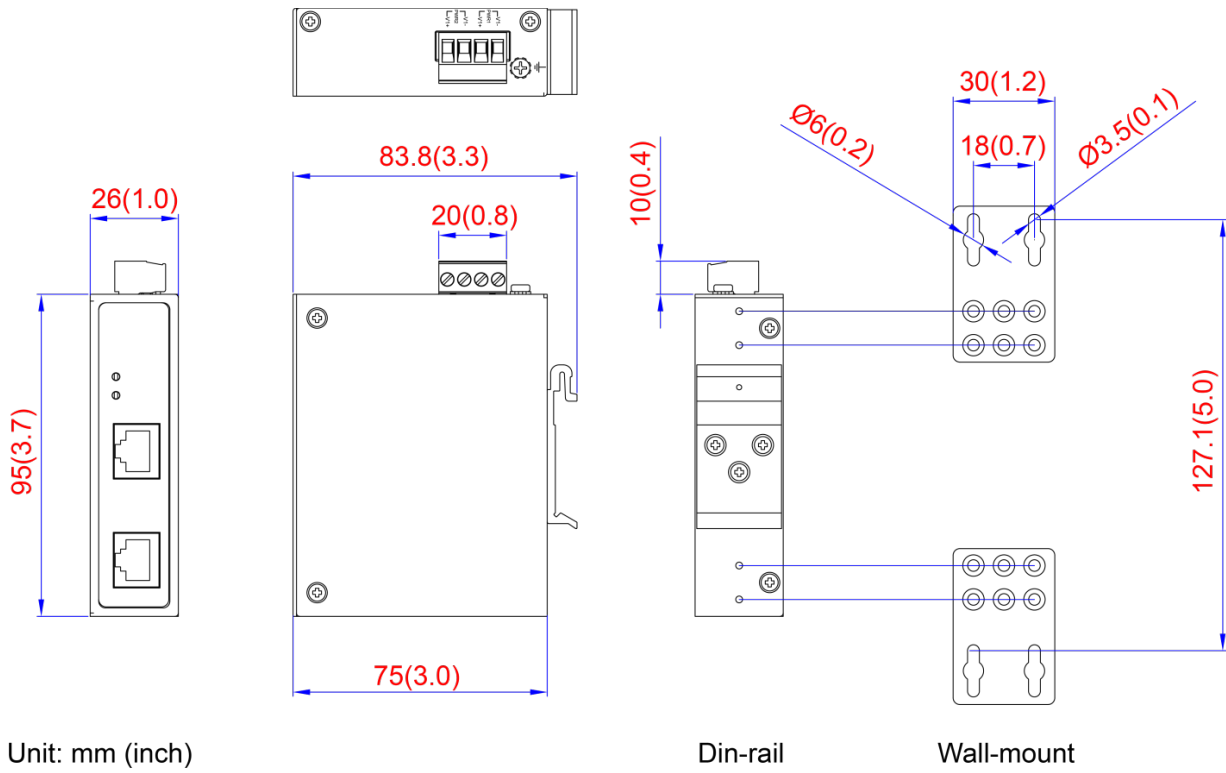
WNDR-240-48 240W Industrial DIN-Rail Power Supply w/ PFC, 48VDC/5A, Universal 90-264VAC/127-370VDC power input, Metal, -20°C ~ 70°C

WSDR-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

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

Dimension



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