

INJ-IG02-PH

Industrial Gigabit Passive PoE Injector (60W)



- Supports Passive PoE, Power output 15.4W, 30W, 60W
- Supports 2 pairs PoE Mode A/B or 4 pairs
- Passive PoE output voltage 24V or 48VDC
- Compliant with 10/100/1000Base-T(X)
- Safety EN62368-1, Railway EN50121-4, Heavy industrial EN61000-6-2, EN61000-6-4, CE, FCC certified



INJ-IG02-PH is an industrial grade, Gigabit, Passive, PoE injector, that can provide up to 60Watts power out through the 4 pairs of category 5e/6 cables. The injector operates with 24/48VDC power input, supports alternative A mode and alternative B mode with 30Watts output for passive PoE devices. Passive POE devices are usually proprietary and this injector provides an "always On" power over Ethernet. This injector is NOT compatible with IEEE802.3af/at standard PoE devices.

INJ-IG02-PH is housed in a rugged DIN rail or wall mountable IP30 metal enclosure and is designed for harsh environments, such as industrial automation, city surveillance & security, intelligent transportation systems (ITS) and also utility market applications.

Standard operating temperature range models (-10 to 60°C) and wide operating temperature range models (-40 to 75°C) fulfill the special needs of critical environment.

Features

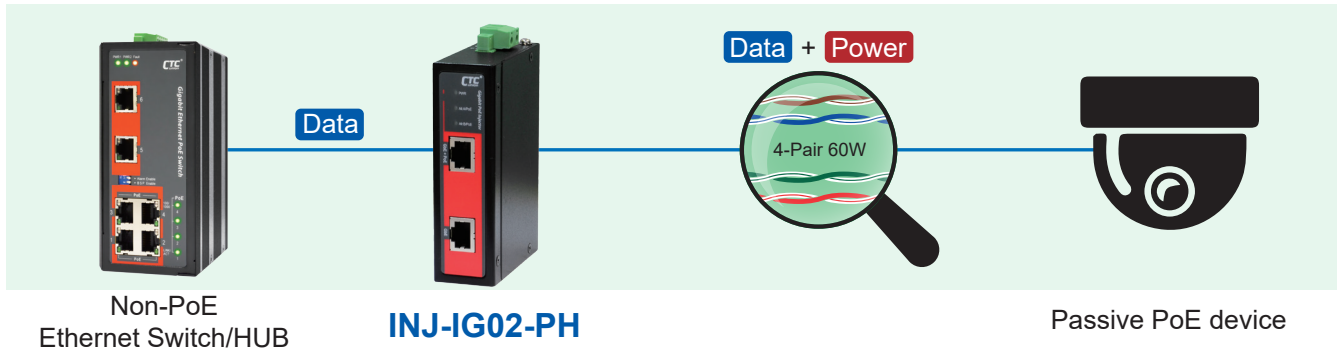
- 1 port Passive PoE Injector
- 24 or 48VDC Power input
- Maximum PoE budget 30W (2-pair), 60W (4-pair)
- Wide operating temperature -40 ~ 75°C (INJ-IG02-PHE)
- IP30 rugged metal housing and fanless

Specifications

IEEE Standard	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000Base-T Gigabit Ethernet	Operating Humidity	5% to 95% (Non-condensing)
PoE RJ-45 Pin Assignment	Positive (V+): RJ-45 pin 1, 2. Negative (V-): RJ-45 pin 3, 6. Positive (V+): RJ-45 pin 4, 5 Negative (V-): RJ-45 pin 7, 8 Data (1, 2, 3, 6, 4, 5, 7, 8)	Storage Temperature	-40 ~ 85°C
Network Connector	1 RJ-45 for 10/100/1000Base-T Data, and 1 RJ-45 for 10/100/1000Base-T Data with PoE Output power	Housing	Rugged Metal, IP30 Protection
Network Cable	UTP/STP above Cat. 5e cable EIA/TIA-568 100-ohm (100m)	Dimensions	70 x 30 x 103 mm (D x W x H)
LED	Per unit: Power (Green), Alt A/PoE, Alt B PoE (Green)	Weight	210g
Reserve Polarity Protection	Present	Installation Mounting	DIN Rail mounting and, Wall Mounting (Optional)
Overload Current Protection	Present	EMC	CE (EN55024, EN55032)
Power Supply	24 or 48VDC Input power (Removable Terminal Block)	EMI (Electromagnetic Interference)	FCC Part 15 Subpart B Class A CE EN55022 Class A Railway Traffic: EN50121-4 Immunity for Heavy Industrial Environment: EN61000-6-2 Emission for Heavy Industrial Environment: EN61000-6-4
PoE output voltage	48VDC (for 48VDC input power) 24VDC (for 24VDC input power)	EMS (Electromagnetic Susceptibility) Protection Level	EN61000-4-2 (ESD) Level 3, Criteria B EN61000-4-3 (RS) Level 3, Criteria A EN61000-4-4 (Burst) Level 3, Criteria A EN61000-4-5 (Surge) Level 3, Criteria B EN61000-4-6 (CS) Level 3, Criteria A EN61000-4-8 (PFMF, Magnetic Field) Field Strength: 300A/m, Criteria A
PoE Power Budget	Maximum 60W for 4-pair PoE (48VDC input power) Maximum 30W for 2-pair PoE (48VDC input power) Maximum 30W for 4-pair PoE (24VDC input power) Maximum 15.4W for 2-pair PoE (24VDC input power)	Safety	EN62368-1
Power Consumption	<2W (not include PoE output)	Shock	IEC 60068-2-27
Removable Terminal Block	Provide 2 Pin for power input connectorn	Freefall	IEC 60068-2-32
Operating Temperature	-10 ~ 60°C (INJ-IG02-PH) -40 ~ 75°C (INJ-IG02-PHE)	Vibration	IEC 60068-2-6
		MTBF	463,016 Hours (MIL-HDBK-217)
		Warranty	5 years

Application

Gigabit Ethernet, 24/48VDC, 30/60W Passive PoE



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Gigabit Passive PoE Injector INJ-IG02-PH

Ordering Information

Model Name	Ethernet	PoE Port		Power Input	Certification				Operating Temperature
	10/100/1000 Base-T	IEEE 802.3at	Power Budget	Single Power	Safety EN62368-1	Railway EN50121-4	EN61000-6-2 EN61000-6-4	CE, FCC	
INJ-IG02-PH	1	1	15/30/60W	24/48VDC	V	V	V	V	-10~60°C
INJ-IG02-PHE	1	1	15/30/60W	24/48VDC	V	V	V	V	-40~75°C

Package List

- INJ-IG02-PH device
- Terminal block
- Din Rail with screws

Optional Accessories

Wall Mount Kit

IND-WMK03 Wall Mount kit for Industrial product (Compact, 150 x 30mm)

Industrial Power Supply

- MDR-40-24** Industrial Power, Input 85 ~ 264VAC/120 ~ 370VDC, Output 24VDC, 40W, -20 ~ +70°C (For 24VDC /30W output application)
- MDR-40-48** Industrial Power, Input 85 ~ 264VAC/120 ~ 370VDC, Output 48VDC, 40W, -20 ~ +70°C (For 48VDC /30W output application)
- NDR-120-48** Industrial Power, Input 90 ~ 264VAC/127 ~ 370VDC, Output 48VDC, 120W, -20 ~ +70°C (For 48VDC /60W@4 pair output application)