

An increasing number of PoE devices are being integrated into Industrial automation and CCTV surveillance applications as a way to save power cable installation costs and to ease maintenance. PoE injectors are especially important in brownfield projects where PoE can be added without replacing an entire infrastructure. CTC Union provides PoE injector products that can cover a wide variety of power input ranges, operational temperatures, power budgets and PoE protocols.

### ▶ INJ-IX01-PB & INJ-IX01-2PB (Injector)

- 1 or 2-port IEEE 802.3af/bt type 4 PoE Injector
- Compliant with 10/100/1G/2.5G/5G/10GBase-T(X)
- IP30 rugged metal housing and fanless
- Wide operating temperature -40 ~ 75°C



### ▶ INJ-IG03-PH (Passive Converter)

- GbE IEEE802.3af/at to Passive PoE converter
- PoE output 12/19/24VDC selectable
- PoE A / B mode selectable
- Wide operating temperature -40 ~ 75°C



### ▶ INJ-IG60-24 (Injector)

- GbE IEEE 802.3af/at
- Dual power input, 12/24/48VDC
- Power budget 15.4/30/36/60/72W
- Regulated output at 52VDC
- Wide operating temperature -40 ~ 75°C



### ▶ INJ-SPL01 (Splitter)

- Splits power and data from PoE Input
- Output voltage, 12/19/24VDC selectable
- CE, FCC, Railway traffic EN50121-4, EN61000-6-2/-4 Certified
- Wide operating temperature -40 ~ 75°C



### ▶ INJ-IG01-PH (Injector)

- GbE IEEE 802.3af/at
- Single power input, 48VDC
- Power budget 15.4/30/36/60W
- PoE A / B Mode selectable
- Wide operating temperature -40 ~ 75°C



### ▶ INJ-IG30 (Injector)

- GbE IEEE 802.3af/at
- Power budget 15.4/30/36W, 55VDC
- CE & FCC Class B/AC adapter
- Operating temperature 0 ~ 45°C



### ▶ INJ-IG02-PH (Passive Injector)

- Single power input 12/24/48VDC
- Passive PoE output (always ON)
- Max. PoE budget 30W (2-pair), 60W (4-pair)
- Plug and play
- Wide operating temperature -40 ~ 75°C



## ■ Product Selection

### PoE Injectors

Model	PoE Output		Input Voltage	Certification			
	PoE Protocol	PoE Power Budget		EN60950-1	EN61000-6-2 EN61000-6-4	EN50121-4	CE/FCC
INJ-IX01-2PB	IEEE802.3af/at/bt	180W	48VDC		✓	✓	✓
INJ-IX01-PB	IEEE802.3af/at/bt	90W	48VDC		✓	✓	✓
INJ-IG60-24	IEEE802.3af/at	15.4W/30W/36W/60W/72W	12/24/48VDC	✓	✓	✓	✓
INJ-IG01-PH	IEEE802.3af/at	15.4W/30W/36W/60W	48VDC		✓	✓	✓
INJ-IG02-PH	Passive PoE	15.4W/30W/36W/60W	12/24/48VDC		✓	✓	✓
INJ-G30	IEEE802.3af/at	15.4W/30W	Power Adapter				✓

### Passive PoE Converter

Model	PoE Input	PoE Output	Certification		
	IEEE802.3af/at	Passive PoE	EN50121-4	EN61000-6-2 EN61000-6-4	CE/FCC
INJ-IG03-PH	PoE (PD)	PoE Voltage 12/19/24VDC selectable	✓	✓	✓

### PoE Splitter

Model	PoE Input	Power Output	Certification		
	IEEE802.3af/at	3-Pin Terminal Block	EN50121-4	EN61000-6-2 EN61000-6-4	CE/FCC
INJ-SPL01	PoE (PD)	12/19/24VDC selectable	✓	✓	✓