

# Industrial Gigabit POE+ Injector, 30W, 12-48V input

INJ-1G-30W-1248

airlive®



802.3at 30W	Gigabit	12~48Vdc Power input
-40°C~80°C	Aluminum Case	Din-Rail & Wall-Mount

## Overview

AirLive INJ-1G-30W-1248 Industrial PoE+ injector supports one RJ45 Gigabit port for data in and one RJ45 Gigabit Ethernet PoE port for transmitting data and power over one Cat.5e or above cable up to 100meter. To reliably work in critical industrial environment, it is equipped with industrial grade components, compliant with 802.3at PoE+ for supporting PoE power up to 30W, providing a wide range voltage of 12~48Vdc power input, supporting wide operation temperature range -40°C~ 80°, and protected by a rugged strong aluminum housing. Thank to all the high standard requirements, it can operate reliably and efficiently in the most availability applications.

## Features



- Equipped with Industrial grade components
- Providing the most availability applications
- 12~48VDC wide range Power Input
- 1 x 10/100/1000 RJ45 Ethernet Data input port
- 1 x 10/100/1000 RJ45 PoE port (Data + Power out)
- Compliant with 802.3at PoE+, up to 30W
- Support DIN-Rail & Wall-mount installation
- Extensive LED indicators for PoE diagnostics
- Wide operating temperature for harsh environment from -40°C to 80°C

**Model** **INJ-1G-30W-1248**

**Ethernet**

- **Ethernet Standard**  
 IEEE 802.3 10Base-T Ethernet  
 IEEE 802.3u 100Base-TX Fast Ethernet  
 IEEE 802.3ab 1000Base-T Gigabit Ethernet  
 IEEE 802.3at Enhancement Power over Ethernet  
 IEEE 802.3af Power over Ethernet
- **Processing Type:** Forward, Half-duplex, Full-duplex
- **Forwarding Rate** 1,488,000pps (1000Mbps)
- **Cabling:** Cat5e or above UTP cable, up to 100m
- **Connector:** 2 x RJ45  
(1 x 10/100/1000 Ethernet data, 1 x 10/100/1000 data and PoE power out)
- **Working Environment:**  
 Operating Temperature: -40°C~80°C  
 Storage Temperature: -40°C~85°C  
 Humidity: 5%~95 % ( non-condensing)  
 MTBF: > 200,000 hours

**Electrical and Mechanical**

- **Input Power** 12~48VDC (Terminal Bloc)
- **Power Consumption** 36W Max.

**PoE (Power over Ethernet)**

- **Standard:** IEEE802.3af/at
- **Port:** RJ45
- **Power Pin Assignment:** 4/5(+), 7/8(-)
- **Max. Power per Port:**  
 30W Max. Per port (Alternative B mode)

**LED Indicators**

- **Power:** Power Status
- **PoE:** PoE Status

**Surge Protection**

- RJ45: 1KV
- ESD: 4KV/8KV

**Housing/Device**

- Dimensions (W x D x H): 95 x 70 x 30 mm
- Weight: 0.25KG
- Housing: Aluminum case
- Mounting Options: DIN-Rail / Wall-Mount

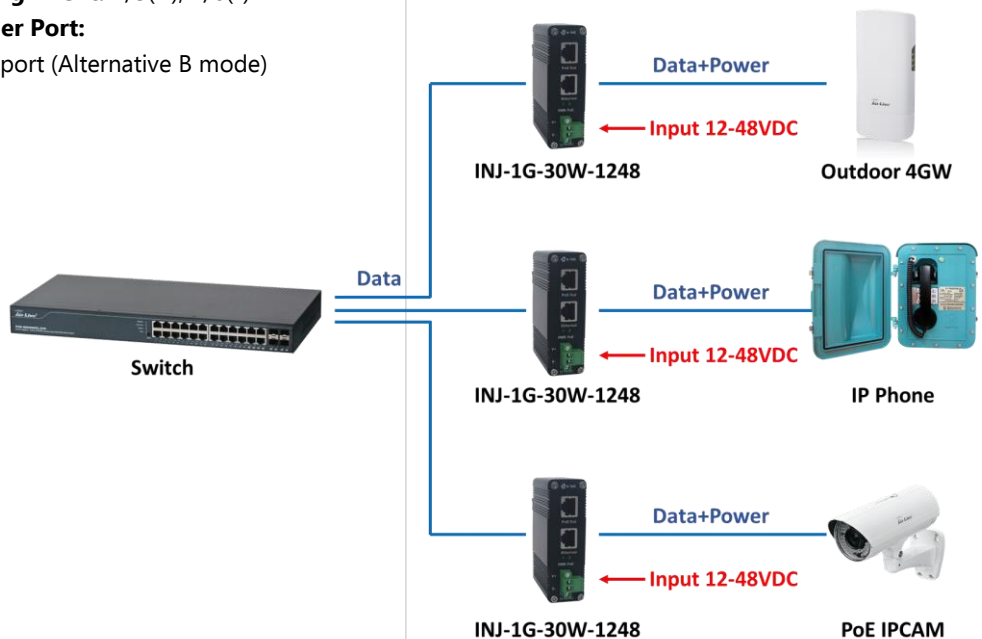
**Package Accessory (Default):**

1 Injector, Din-Rail & Wall Mount Bracket included

**Ordering information**

- **INJ-1G-30W-1248**  
 Industrial Gigabit POE+ Injector, 30W, 12-48V power input

*\* Note: Power Supply is to be purchased separately*



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## Harsh Environment

With one of the most critical nodes in industrial networking being PoE Injector, engineers undertaking these projects need reliable industrial networking components that are cost-effective and able to withstand harsh industrial environments.

AirLive Industrial Gigabit PoE+ injector helps better address these needs.



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