

# OUTDOOR PoE INJECTOR

## HF-POE30-AC/DC

### Product Description

HF-POE30-AC/DC is a Gigabit PoE Injector that combines power and data and delivers them to a powered device over one Ethernet cable. The POE-30 injector provides up to 30 watts, higher than the conventional PoE injectors. It is available with Universal AC Input as also Wide Range DC input. The -5 to 55 deg C wide temperature range design makes the HF-POE30 perfect for operating in critical industrial environments. The outdoor version is available with IP65 Chassis and is suitable for Outdoor Environments.



HF-POE30-AC  
Outdoor PoE Injector



HF-POE30-DC  
Outdoor PoE Injector

### Features

- Gigabit PoE Injector
- -5 to 55 Degree Celsius wide temperature range
- Compliant with isolation and channel
- Data and power carried over one Ethernet cable
- Full protection OCP and OVP
- Field Earth for higher immunity against EMI/EMC Noise.

# HF-POE30-AC/DC

## TECHNICAL SPECIFICATIONS

### Interface

|            |  |
|------------|--|
| RJ45 Ports | 10/100/1000BaseT(X) for PoE OUT and DATA IN              |
| PoE Pinout | Default: 1, 2, 4, 5 V+ , V- for pin 3, 6, 7, 8 (4 pairs) |

### Power Requirements

|                   |   |
|-------------------|---|
| Input Voltage     | 100-264 VAC for AC Model & 36-75 VDC for DC Model                 |
| Protection        | Overload Current & Over voltage; Reverse Polarity & Short circuit |
| Power Consumption | Max. 2.5 W full loading without PD's consumption                  |
| Power Budget      | Max. 30 W for 1 PD's consumption                                  |

### Standards and Certifications

|                               |   |
|-------------------------------|---|
| Standards                     | Passive PoE - as per characteristics of IEEE802.3af / IEEE802.3at - 4 Pairs   |
| Safety                        | EN/IEC 60950-1  |
| EMI/EMC                       | EN 55032/24 CISPR 32, FCC Part 15B Class A  |
| Surge & Lightening Protection | <ul style="list-style-type: none"><li>IEC 61000-4-2: (ESD) Air Discharge: ±8kV, Contact Discharge: ±4kV</li><li>IEC 61000-4-6: (CS) 150 kHz to 80 MHz, 3Vrms (Level 2)</li><li>IEC 61000-4-3: (RS) 80MHz~6000MHz, 3V/m (Level 2)</li><li>CISPR22/32: Class A: CE test from 150KHZ to 30MHz, RE test 30MHz to 6GHz</li><li>EN 61000-4-8: Pulse Frequency Magnitude immunity test level at 3A/m</li><li>IEC 61000-4-4: Electrical Fast Transients +/-1kV on Power Lines</li><li>IEC 61000-4-5: Surge Test<ul style="list-style-type: none"><li>AC PoE: Input side (220V) +/- 6kV</li><li>Output side (Ethernet Lines) +/-6kV</li><li>DC PoE: Input side (48V) +/- 6kV</li><li>Output side (Ethernet Lines) +/-6kV</li></ul></li></ul> |

### Physical Characteristics

|            |   |
|------------|---|
| Housing    | Engineering plastic grade enclosure with metallic bracket |
| IP Rating  | Outdoor Model: IP65 Protection*                           |
| Dimensions | DC-PoE: 220 x 190 x 63 mm and AC-PoE: 220 x 190 x 63 mm   |

### Environmental Limits

|                           |                              |
|---------------------------|------------------------------|
| Operating Temperature     | -5°C to 55°C                 |
| Storage Temperature       | -40°C to 85°C (-40 to 185°F) |
| Ambient Relative Humidity | 5 to 95% (non-condensing)    |

| Ordering Information |  |
|----------------------|--|
| Model No.            | Description                            |
| HF-POE30-AC          | IO Outdoor PoE Injector, 30W, AC Input |
| HF-POE30-DC          | IO Outdoor PoE Injector, 30W, DC Input |

Note : \* IP67 is a customizable hardware option available on specific order. Please reach out to Sales Team for more information

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