

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. Designed for power-hungry devices, 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
- Compliant to Characteristics of IEEE802.3af / IEEE802.3at- 4 Pairs
- 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	IEEE 802.3af/at for Power-over-Ethernet
Safety	EN/IEC 60950-1
EMI/EMC	EN 55032/24 CISPR 32, FCC Part 15B Class A
Surge & Lightning Protection	- IEC 61000-4-2: (ESD) Air Discharge: ±8kV, Contact Discharge: ±4kV - IEC 61000-4-6: (CS) 150 kHz to 80 MHz, 3Vrms (Level 2) - IEC 61000-4-3: (RS) 80MHz~6000MHz, 3V/m (Level 2) - CISPR22/32: Class A: CE test from 150KHZ to 30MHz, RE test 30MHz to 6GHz - EN 61000-4-8: Pulse Frequency Magnitude immunity test level at 3A/m - IEC 61000-4-4: Electrical Fast Transients +/-1kV on Power Lines - IEC 61000-4-5: Surge Test - AC PoE: Input side (220V) +/- 6kV - Output side (Ethernet Lines) +/-6kV - DC PoE: Input side (48V) +/- 6kV - Output side (Ethernet Lines) +/-6kV

Ordering Information	
Model No.	Description
HF-POE30-AC	IO Indoor Passive PoE, 30W, AC Input, 48V Output
HF-POE30-DC	IO Indoor Passive PoE, 30W, DC Input, 48V Output

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)



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