

# PoE INJECTOR

## HF-POE20-AC/DC-O



### Product Description

HF-POE20-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-20 injector provides up to 35 watts, HIGHER than the conventional PoE injectors. It features LED indicator for PoE management. 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-POE20 perfect for operating in critical industrial environments. The outdoor version is available with IP55 Chassis and is suitable for Outdoor Environments.

**HF-PoE20-AC**  
Outdoor PoE Injectors



**HF-PoE20-DC**  
Outdoor PoE Injectors



### Features

- Gigabit PoE Injector
- LED Indicators for PoE Management
- -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.



### 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

<b>Input Voltage</b>	100-264 VAC for AC Model & 36-75 VDC for DC Model
<b>Protection</b>	Overload Current & Over voltage; Reverse Polarity & Short circuit
<b>Power Consumption</b>	Max. 2.5 W full loading without PD's consumption
<b>Power Budget</b>	Max. 35 W for 1 PD's consumption

## Physical Characteristics

<b>Housing</b>	Engineering plastic grade enclosure with metallic bracket
<b>IP Rating</b>	Outdoor Model: IP 67 Protection
<b>Dimensions</b>	DC-PoE: 220 x 195 x 62 mm & AC-PoE: 220 x 195 x 62 mm

## Environmental Limits

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

## Standards and Certifications

<b>Standards</b>	IEEE 802.3af/at for Power-over-Ethernet
<b>Safety</b>	UL 508, EN 60950-1 (LVD)
<b>EMI/EMC</b>	EN 55032/24 CISPR 32, FCC Part 158 Class A
<b>Surge &amp; Lightning Protection</b>	EMC to IEC 61000-4-3; RS: 80 MHz to 1 GHz 20 V/m Electrical Fast Transients to IEC 61000-4-4 EFT: Power: 4 kV; Signal: 2kV Surge Compliance to IEC 61000-4-5 Surge: Power: 3 kV; Signal: 3 kV EMC Signal IEC 61000-4-6 CS: Signal: 10 V IEC 61000-4-8
<b>Freefall</b>	IEC 60068-2-32
<b>Vibration</b>	IEC 60068-2-6



## Ordering Information

Model Number	Product Description
HF-POE20-AC/DC-O	Gigabit High Power PoE+ Injectors Outdoor Unit, AC or DC Supply



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