

PoE INJECTOR

HF-POE20-AC/DC

Product Description

HF-POE20-X 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 20 watts, higher than the conventional PoE injectors. It features LED indicator for health status of the PoE. It is available with Universal AC Input as also Wide Range DC input. The 0 to 45 deg C wide temperature range design makes the HF-POE20 perfect for operating in higher temperature indoor environments.



DC PoE Indoor



AC PoE Indoor

Features

- Gigabit PoE Injector
- Compliant with isolation and channel
- 0-45 degree Celsius wide temperature range
- Data and power carried over one Ethernet cable
- Compliant to Characteristics of IEEE802.3af / IEEE802.3at- 4 Pairs
- Full protection OCP and OVP

HF-POE20-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. 20 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-POE20-AC	IO Indoor Passive PoE, 20W, AC Input, 48V Output
HF-POE20-DC	IO Indoor Passive PoE, 20W, DC Input, 48V Output

Physical Characteristics

Housing	Metallic enclosure with anti-corrosive Powder coating
Weight	DC-PoE: 0.32 kg & AC-PoE: 0.38 kg
Dimensions	DC-PoE: 80 x 45 x 145 mm & AC-PoE: 80 x 40 x 45 mm

Environmental Limits

Operating Temperature	0°C to 45°C
Storage Temperature	-40°C to 85°C (-40 to 185°F)
Ambient Relative Humidity	5 to 95% (non-condensing)



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