

PoE INJECTOR

HF-POE20-AC/DC-I



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 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 0 to 45 deg C wide temperature range design makes the HF-POE20 perfect for operating in critical industrial environments.



HF-PoE20-AC
Indoor PoE Injectors



HF-PoE20-DC
Indoor PoE Injectors



Features

- Gigabit PoE Injector; LED indicators
- 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
- 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

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. 35 W for 1 PD's consumption

Physical Characteristics

Housing	GI / Metallic with anti-corrosive Powder coat
IP Rating	Indoor Model: IP 30 Protection
Dimensions	DC-PoE: 63 × 45 × 149 & AC-PoE: 96 × 46 × 172

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)

Standards and Certifications

Standards	IEEE 802.3af/at for Power-over-Ethernet
Safety	UL 508, EN 60950-1 (LVD)
EMI/EMC	EN 55032/24 CISPR 32, FCC Part 158 Class A
Surge & Lightning Protection	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
Freefall	IEC 60068-2-32
Vibration	IEC 60068-2-6



Ordering Information

Model Number	Product Description
HF-POE20-AC/DC-1	Gigabit High Power PoE+ Injectors Indoor Unit, AC or DC Supply



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