

# INDOOR 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. 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 and 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
- Full protection OCP and OVP

# HF-POE20-AC/DC

## TECHNICAL SPECIFICATIONS

### Interface

<b>RJ45 Ports</b>	10/100/1000BaseT(X) for PoE OUT and DATA IN
<b>PoE Pinout</b>	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. 20 W for 1 PD's consumption

### Standards and Certifications

<b>Standards</b>	Passive PoE - as per characteristics of IEEE802.3af - 4 Pairs
<b>Safety</b>	EN/IEC 60950-1
<b>EMI/EMC</b>	EN 55032/24 CISPR 32, FCC Part 15B Class A
<b>Surge &amp; Lightning Protection</b>	<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) ±4kV to ±6kV</li><li>Output side (Ethernet Lines) ±4kV to ±6kV</li><li>DC PoE: Input side (48V) ±4kV to ±6kV</li><li>Output side (Ethernet Lines) ±4kV to ±6kV</li></ul></li></ul>

### Physical Characteristics

<b>Housing</b>	Metallic enclosure with anti-corrosive Powder coating
<b>Weight</b>	DC-PoE: 0.32 kg & AC-PoE: 0.38 kg
<b>Dimensions</b>	DC-PoE: 145 x 82 x 45 mm & AC-PoE: 136 x 82 x 45 mm

### Environmental Limits

<b>Operating Temperature</b>	0°C to 45°C
<b>Storage Temperature</b>	-40°C to 85°C
<b>Ambient Relative Humidity</b>	5 to 95% (non-condensing)

### Ordering Information

Model No.	Description
HF-POE20-AC	IO Indoor PoE Injector, 20W, AC Input
HF-POE20-DC	IO Indoor PoE Injector, 20W, DC Input

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Suite 2101, Bahrain Financial Tower (West Tower)  
P.O. Box 2591, Kingdom of Bahrain

☎ 17565171 📧 17565171 ✉ enquiries@northstar-telecom.net

[www.northstar-telecom.net](http://www.northstar-telecom.net)