

DP-PI110A

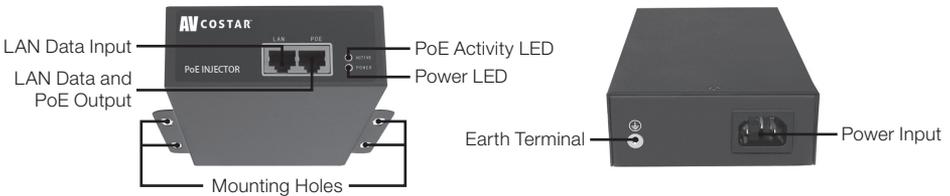
Wide-temperature 75W IEEE 802.3af/at/bt Class 7 Compliant Gigabit PoE Injector

Product Overview

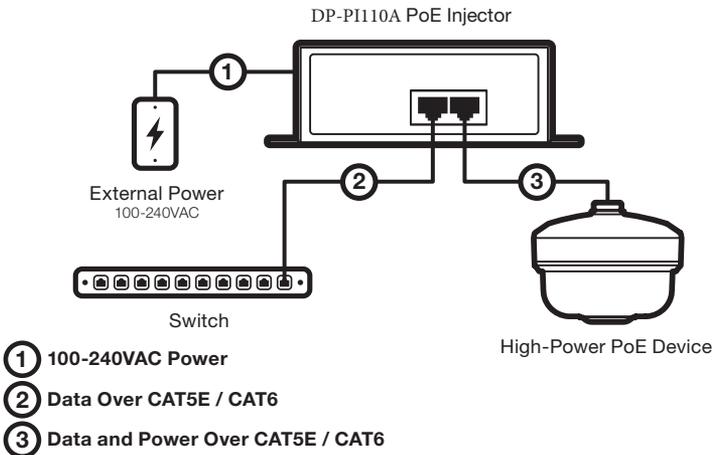
The DP-PI110A is a single port PoE Injector with a wide temperature range with surge suppression for complex high-power requirements. It provides 55VDC, 1.36A power to remote devices over 4 pairs with 6kV (10/700µs) surge protection and supports 10/100/1000Mbps data speed. Compatible with IEEE 802.3af/at/bt compliant 75W PoE devices, such as high power cameras, wireless access points, base stations, door locks, displays, POS, information kiosks and other high-power Ethernet terminals.

The DP-PI110A, is designed for indoor use and can be used outdoor when placed inside a waterproof box. It operates with power inputs of 100-240VAC and at temperatures between -29.2 to 165.2°F (-34 to 74°C) at full load. The DP-PI110A has a high reliability detection chip inside, which detects and classifies PoE devices before powering them and will not provide power until a compliant device is detected. The DP-PI110A has a maximum power distance of 328ft (100m) over Cat5e/Cat6 cables.

Product Features



Installation Network Diagram



If the switch is capable of providing any PoE power, the port connected to the DP-PI110A should be disabled to prevent mis-applied current levels via two negotiations.

For maximum surge suppression, the earth terminal on the DP-PI110A should be attached to a confirmed earth connection during installation via the yellow/green stripe wire included.

DP-PI110A Specifications

Standards

- IEEE 802.3 10Base-T Ethernet
- IEEE 802.3u 100Base-Tx Fast Ethernet
- IEEE 802.3ab 1000Base-T Gigabit Ethernet
- Fully compliant with IEEE 802.3af/at/bt
- RoHS Compliant
- WEEE Compliant

Electrical

- Input :100-240VAC 1.5A 50/60Hz
- Output: 55VDC 1.36A
- Power Pins: 4/5(+), 7/8(-) and 3/6(+),1/2(-)
- Data Speed: 10/100/1000Mbps

EMS

- IEC 61000-4-2 (ESD) $\pm 6kV$ (contact), $\pm 8kV$ (air)
- IEC 61000-4-3 (RS) 10V/m(80MHz~2GHz)
- IEC 61000-4-4 (EFT) Power Port:
 $\pm 2kV$; Data Port: $\pm 1kV$
- IEC 61000-4-5 (Surge) Power Port:
 $\pm 1kV/DM$, $\pm 2kV/CM$
- IEC 61000-4-6 (CS) 10V(150kHz~80MHz)

AC Surge Protection

- Line-Earth 1.2/50 μs (8/20 μs): 2kV
- Line-Line 1.2/50 μs (8/20 μs): 1kV

PoE Surge Protection

- Protected line: 1, 2, 3, 4, 5, 6, 7, 8
- Common mode surge protection (10/700 μs): 6kV
- Differential mode surge protection (10/700 μs): 1.5kV

Mechanical

- Case: Metal
- Color: Black
- Mounting: Wall-mounted
- IP Rating: IP20
- Size: 1.61" H (41mm) x 5.12" W (130mm) x 7.99" L (203mm)
- Weight: 1.62lbs. (737g)

Environmental

- Operating Temperature: NEMA TS2 temperature -29.2 to 165.2°F (-34 to 74°C)
- Operating Humidity: 20% to 80%, non-condensing
- Storage Temperature: -40 to 85°C (-40 to 85°C)
- Storage Humidity: 10% to 90%, non-condensing
- Operating Altitude: Up to 5000m

Immunity

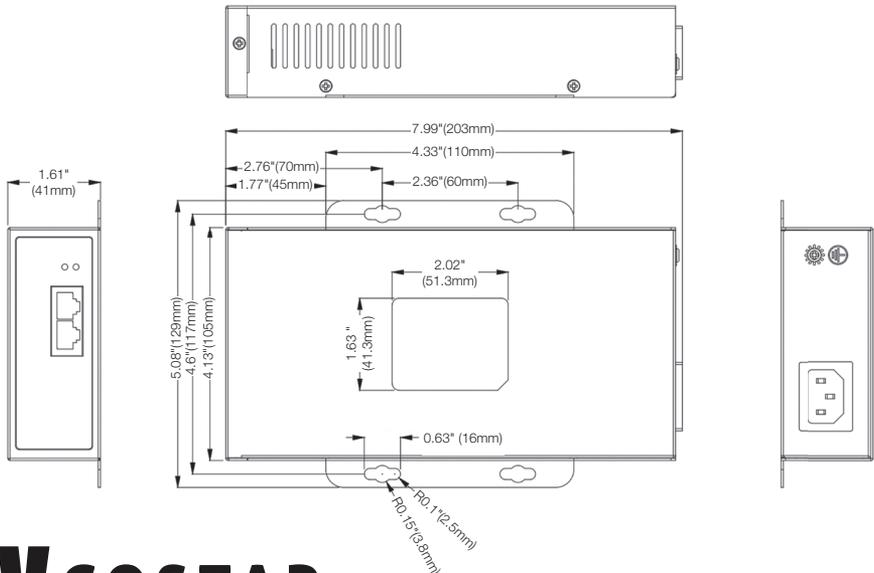
- IEC 60068-2-6 (Vibration)
- IEC 60068-2-27 (Impact)
- IEC 60068-2-32 (Free Fall)

LED Indicator

- Power Indicator: Green
- PoE Load Indicator: Green

In the Box

- DP-PI110APoE Injector
- US Power Cord
- Quick Installation Guide



AV COSTAR
an IDIS Company

+1.888.694.7827 | www.idisamericas.com | sales@idisamericas.com

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