



Innovative Electronics for a changing world

Manual



ACTIVE DC POE

The **Mi-ACTIVE-DC-POE** is a low cost **Gigabit** Power over Ethernet injector with an **integrated DC-DC boost converter** to power Ethernet devices with up to **25 Watts max** via Power over Ethernet.

The POE output can be internally adjusted by the user by means of a 4 way DIP switch on pcb to switch between **Mode B** power output or **PHANTOM** power output.

Mode B power out supply data on all 4 pairs and **Power + on pair 4,5** and **Power- on pair 7,8**

Phantom power out supply data on all 4 pairs and **Power + on pair 1,2 and 4,5** and **Power - on pair 3,6 and 7,8**

The **Mi-active-dc-poe** is used at small installations of cameras or Wi-Fi radios and other equipment where the user needs to boost the voltage over POE from an available lower voltage power source to a voltage suitable for the camera or radio used in the installation.

The Active DC POE is intended to power low powered radio and camera devices with a **15W** to **25W** power consumption.

Usually small installations with one camera and one radio is powered from a solar panel and a 12V battery setup, the Mi active dc POE can ease the installation by boosting the 12V to 24V or 12V to 48V or 24V to 48V (model dependant)

Electronic fuses on input and output power rails for protection of short circuits and over currents.

Three models available:

Active DC POE – 12-24 (Boost 12Vdc input to 24Vdc output on POE Port) Output current max 1.2 Amps (28 Watt max)

Active DC POE – 12-48 (Boost 12Vdc input to 48Vdc output on POE Port) Output current max 0.6 Amps (28 Watt max)

Active DC POE – 24-48 (Boost 24Vdc input to 48Vdc output on POE Port) Output current max 0.8 Amp (38 Watt max)

High POE (70 Watt) Lan transformer used

User adjustable Mode B or Phantom POE output

All 4 switches to **OFF** position = **MODE B power out** = power LED = **Green**

All 4 switches to **ON** position = **Phantom power out** = power LED = **Amber**



Physical:

(L = 125mm) x (W = 50mm) x (H = 25mm)

Weight = 0.1 KG

