



*Innovative Electronics for a changing world*

Manual



## DC POE with DC2DC converter

The **Mi-DC-POE with internal DC converter** is a low cost **Gigabit** Power over Ethernet injector with an **integrated DC-DC boost converter** to power Ethernet devices with up to **30 Watts max** via Power over Ethernet.

The POE output can be internally adjusted by our factory to output **Mode B** power output or **Mode B + Mode A** power output. – **customer to specify 2 pair or 4 pair power**

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

**Mode B + Mode A** 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-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 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 dc POE can ease the installation by boosting the 12Vin to 24Vout or (12V-24Vin) to 48Vout.

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

Three models available:

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

**DC POE – (12-24) -48** (Boost 12Vdc input or 24V DC input to 48Vdc output on POE Port) Output current max 0.6 Amps ( 28 Watt max)

High POE ( 70 Watt) Lan transformer used

Factory adjustable Mode B or Mode B + Mode A power output

Physical:

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

Weight = 0.1 KG

