DC POE with DC2DC CONVERTER

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.

ACTIVE DC POE

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

