Mi-GB-POE-SP (surge protection)

Innovative Electronics for a changing world

Manual



Mi-GB-POE-SP

Gigabit passive POE injector with surge protection and user adjustable power mode

The Mi-GB-POE-SP can power any Ethernet device due to the user configurable power output jumpers, the POE can be set to Mode B power (2 pairs power) or Phantom(4 pairs power) and can also be used for Reverse polarity radios in mode B or phantom power by adjusting the power select jumpers on the board..

Single channel GB POE injector with surge protection for low or high power POE devices.

DC input 12Vdc to 60VDC

Line input power protection by 60V overvoltage and spike protection semiconductors across the DC power line with a separate 60V overvoltage protection bleeder to the earth connection wire.

Positive and Negative input power line protected by separate fast blow 2 Amp user changeable fuses.

DC power input polarity protection will blow fuses if incorrect.

3 Pole GAS arrestor semiconductors across each Ethernet data and power pair of the cable.

Earth wire connection terminal for discharge path to Earth.

Gigabit 70 Watt POE+ LAN transformer used.

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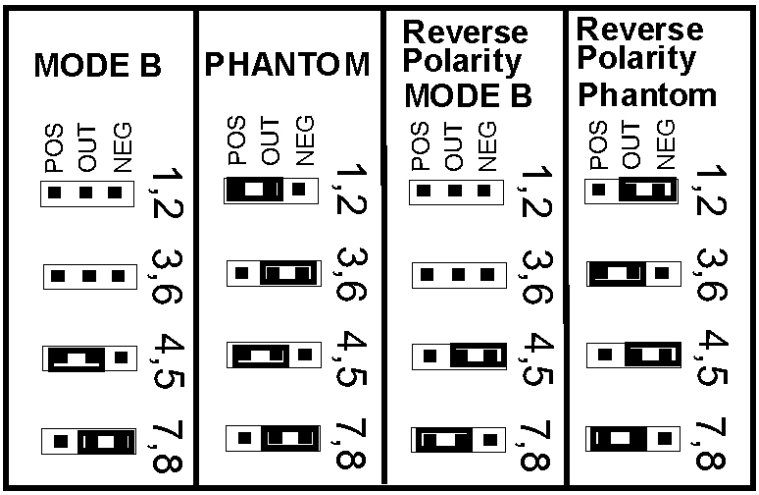
POE Power output user configurable on the printed circuit board.



Setting for standard Mode B power scheme

(cable pair 4,5 = +) and (cable pair 7,8 = neg)

Install the Jumper between the middle pin of pair **4,5** and the **POS** line

Install the jumper between the middle pin of pair **7,8** and the **NEG** line

Setting for standard Phantom power scheme

(cable pair 1,2 and 4,5 = +) and (cable pair 3,6 and 7,8 = neg)

Install the Jumper between the middle pin of pair **1,2 and 4,5** and the **POS** line

Install the jumper between the middle pin of pair **3,6 and 7,8** and the **NEG** line

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Setting for Reverse polarity Mode B power scheme

(cable pair 4,5 = -) and (cable pair 7,8 = +)

Install the Jumper between the middle pin of pair **4,5** and the **NEG** line

Install the jumper between the middle pin of pair **7,8** and the **POS** line

Setting for Reverse polarity Phantom power scheme

(cable pair 1,2 and 4,5 = -) and (cable pair 3,6 and 7,8 = +)

Install the Jumper between the middle pin of pair **1,2 and 4,5** and the **NEG** line

Install the jumper between the middle pin of pair **3,6 and 7,8** and the **POS** line

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Physical: (L) = 90 mm x (W) = 80mm x (H) = 30mm

Weight = 0.4Kg