



MSTronic Co., Ltd.

2F, 12, Gongshang Rd., Wugu District, New Taipei City, 248, Taiwan

TEL:886-2-2293-0159 FAX:886-2-2292-8851

E.MAIL: mse@mse.com.tw

WEB: <http://www.mse.com.tw>

MIT-93G-2T70DH 802.3bt Gigabit PoE Injector

SPECIFICATION

1. INPUT :

- 1.1 Input Voltage: 40Vdc to 57Vdc Normal = 56V
- 1.2 Input Current: 1.25A at 56Vdc @ 802.3at *2 INPUT

2. OUTPUT :

2.1 Output Voltage & Current:

| | |
|-------------|-------|
| OUTPUT | 56V |
| Max. load | 1.25A |
| Power | 70W |
| Min. Load | 0A |
| Load reg. % | 5% |
| Line reg. % | 1% |
| Ripple % | 1% |
| Noise % | 1% |

TOTAL POWER : 70W

Note 1, The output voltage depends on the input voltage with 2.5V voltage drop. For example, if the input is 56V, then the output is 53.5V.

Note 2, The two inputs need to come from same PoE switch, or the input voltages are the same, then the output may up to 70W.

3. Input Polarity: available for both mode A (1,2/3,6) and mode B (4,5/7,8)

4. GENERAL DESCRIPTION

- 4.1 Operation Temperature: -40 - +70 Degree
- 4.2 Storage Temperature: -40 - +85 Degree
- 4.3 Operation Humidity: 5% - 90%
- 4.4 Cooling: Free air cooling
- 4.5 SIZE : 85*78*36 (L*W*H)m/m unit: m/m



MSTronic Co., Ltd.

2F, 12, Gongshang Rd., Wugu District, New Taipei City, 248, Taiwan

TEL:886-2-2293-0159 FAX:886-2-2292-8851

E.MAIL: mse@mse.com.tw

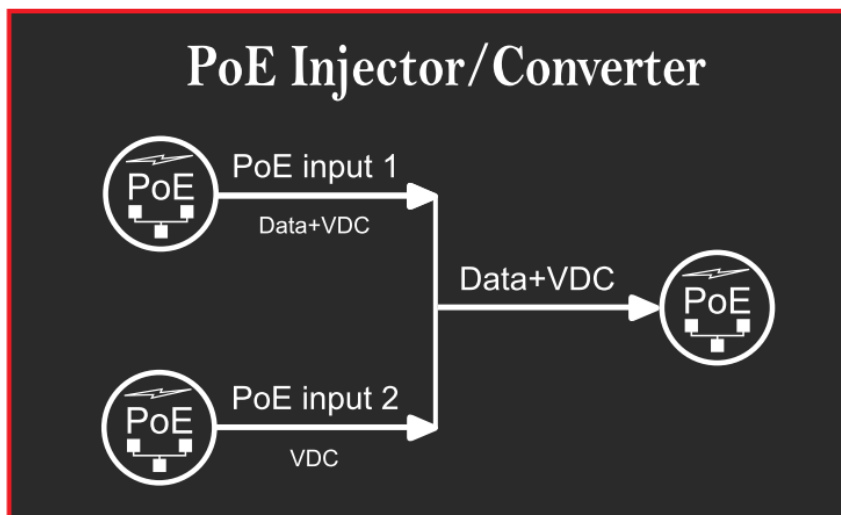
WEB: <http://www.mse.com.tw>

5. Indicator

5.1 blink RED, display only one input. (**no output**)

5.2 the LED on stable light red when Power Ready

5.3 steady GREEN, two inputs available, output delivering.



INPUT data & Power-Connected to DTE (10/100/1000MBPS)

| RJ-45 Input 1 (Data & Power) | | | RJ-45 Input 2 (Power) | |
|------------------------------|--------------|------------------------------------|------------------------|-------------------|
| Pin | Symbol | Description | Symbol | Description |
| 1 | DA+, Vdc -/+ | Data Pair A+, Feeding power -/+ | Vdc -/+ | Feeding power -/+ |
| 2 | DA-, Vdc -/+ | Data Pair A-, Feeding power -/+ | Vdc -/+ | Feeding power -/+ |
| 3 | DB+, Vdc +/- | Data Pair B+, Feeding power +/- | Vdc +/- | Feeding power +/- |
| 4 | DC+, Vdc +/- | Data Pair C+, Feeding power +/- | Vdc +/- | Feeding power +/- |
| 5 | DC-, Vdc +/- | Data Pair C-, Feeding power +/- | Vdc +/- | Feeding power +/- |
| 6 | DB-, Vdc +/- | Data Pair B-, Feeding power +/- | Vdc +/- | Feeding power +/- |
| 7 | DD+, Vdc -/+ | Data Pair D+, Feeding power -/+ | Vdc -/+ | Feeding power -/+ |
| 8 | DD-, Vdc -/+ | Data Pair D-, Feeding power -/+ | Vdc -/+ | Feeding power -/+ |



MSTronic Co., Ltd.

2F, 12, Gongshang Rd., Wugu District, New Taipei City, 248, Taiwan

TEL:886-2-2293-0159 FAX:886-2-2292-8851

E.MAIL: mse@mse.com.tw

WEB: <http://www.mse.com.tw>

Power Output & Data -Connected to DTE (10/100/1000MBPS)

| RJ-45 (OUT) | | |
|-------------|-----------|---------------------------------|
| Pin | Symbol | Description |
| 1 | DA+, Vdc- | Data Pair A+, Feeding power (-) |
| 2 | DA-, Vdc- | Data Pair A-, Feeding power (-) |
| 3 | DB+, Vdc+ | Data Pair B+, Feeding power (+) |
| 4 | DC+, Vdc+ | Data Pair C+, Feeding power (+) |
| 5 | DC-, Vdc+ | Data Pair C-, Feeding power (+) |
| 6 | DB-, Vdc+ | Data Pair B-, Feeding power (+) |
| 7 | DD+, Vdc- | Data Pair D+, Feeding power (-) |
| 8 | DD-, Vdc- | Data Pair D-, Feeding power (-) |

Note : 1. the model is isolated design, the output +/- or input +/- can be shorted to ground (FG).

