

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-91G-A2456D-BT

PoE Injector

AC/DC, 1G/5G, 802.3bt

SPECIFICATION

1. INPUT :

- 1.1 Input Voltage: 22Vac to 35Vac Normal = 24Vac
20Vdc to 48Vdc Normal = 24Vdc
- 1.2 Input Current: 4.42A at 24Vac/50hz Full Load
4.82A at 22Vac/50hz Full Load
3.12A at 35Vac/50hz Full Load
4.40A at 24Vdc Full Load
- 1.3 Input Frequency : 50/60hz
- 1.4 Power Factor: >0.95(at F.L.).

2. OUTPUT :

2.1 Output Voltage & Current:

OUTPUT	+56V
Max. load	1.6A
Power	90W
Min. Load	0A
Load reg. %	5%
Line reg. %	1%
Ripple %	1%
Noise %	1%

TOTAL POWER : 90W

Note 1: Noise bandwidth is from DC to 20Mhz. Ripple & Noise is measured by
Paralleling a 0.1uF metalize capacitor on the test point.

3. EFFICIENCY : 80% min at Full Load , 22Vac ~ 35Vac Input Voltage



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>

4. PROTECTION

4.1 Short Circuit Protection

Output Short GND Terminal will not damage the Power Supply and will Auto-Reset.

4.2 Input with Fuse Protection.

4.3 Safety Standard : meet EN62368-1.

4.4 EMC : meet FCC Class B , EN55032 Class B

4.5 Over Current : 802.3bt Limits @All AC Input F.L

5. GENERAL DESCRIPTION

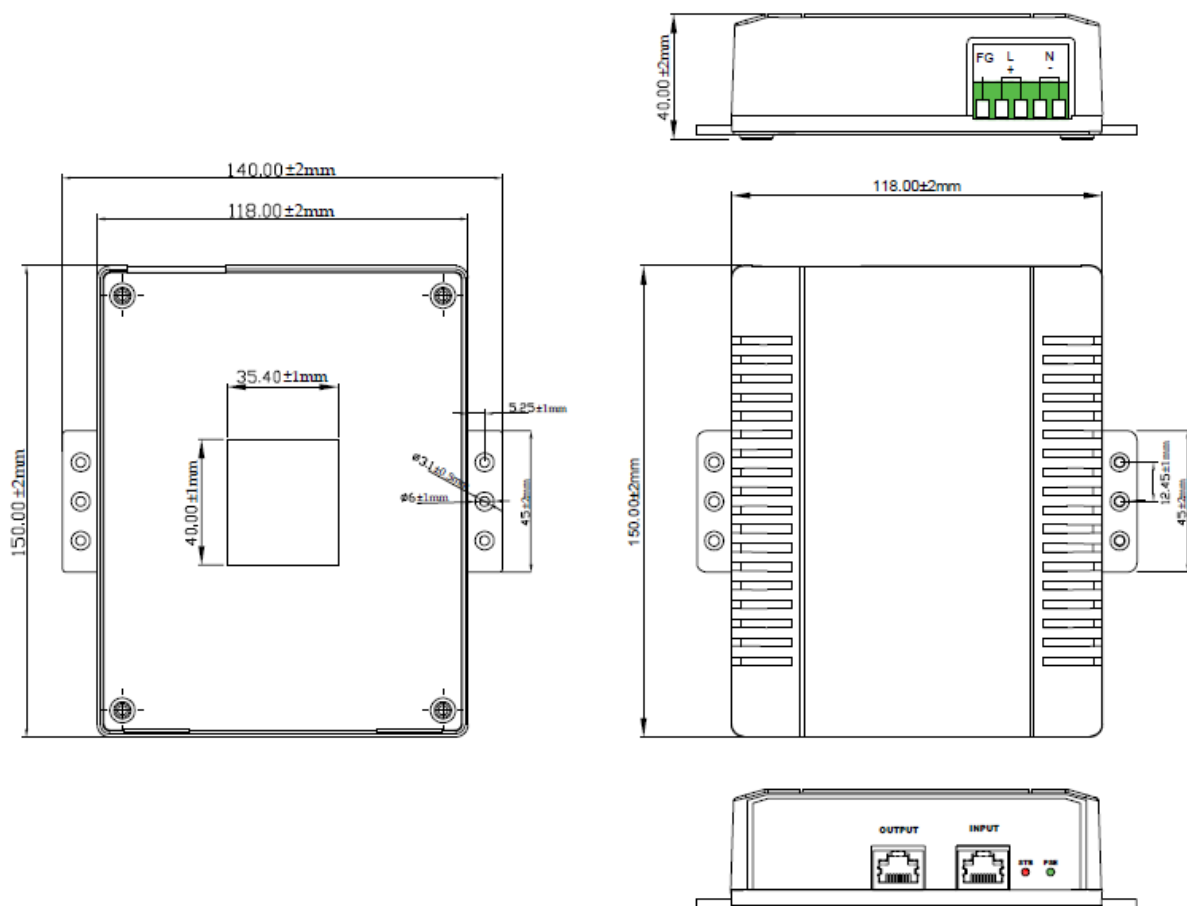
5.1 Operation Temperature: -40 - +70 Degree

5.2 Storage Temperature: -40 - +85 Degree

5.3 Operation Humidity: 5% - 90%

5.4 Cooling: Free air cooling

5.5 SIZE : 140*150*40 (L*W*H)m/m DIN rail mountable





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>

6. Indication :

6.1 LED STB(RED) : Powered up and stand by.

6.2 LED PSE(GREEN) : PSE Output, 802.3af/at/bt PD detected.

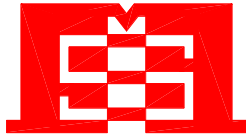
Once PSE(green light) turn on, the STB(red light) turn off.

7. RJ45 Pin Assignment : @1000M/5000M

7. CHANNEL CONNECTORS & PINOUT :

RJ-45 Input (only Data)		
Pin	Symbol	Description
1	BI_DA+	Data Pair A+
2	BI_DA-	Data Pair A-
3	BI_DB+	Data Pair B+
4	BI_DC+	Data Pair C+
5	BI_DC-	Data Pair C-
6	BI_DB-	Data Pair B-
7	BI_DD+	Data Pair D+
8	BI_DD-	Data Pair D-
9	Shield	Connector shielding

RJ-45 Output (Data & Power)		
Pin	Symbol	Description
1	BI_DA+, Vo-	Data Pair A+, Output power (-)
2	BI_DA-, Vo-	Data Pair A-, Output power (-)
3	BI_DB+, Vo+	Data Pair B+, Output power (+)
4	BI_DC+, Vo+	Data Pair C+, Output power (+)
5	BI_DC-, Vo+	Data Pair C-, Output power (+)
6	BI_DB-, Vo+	Data Pair B-, Output power (+)
7	BI_DD+, Vo-	Data Pair D+, Output power (-)
8	BI_DD-, Vo-	Data Pair D-, Output power (-)
9	Shield	Connector shielding



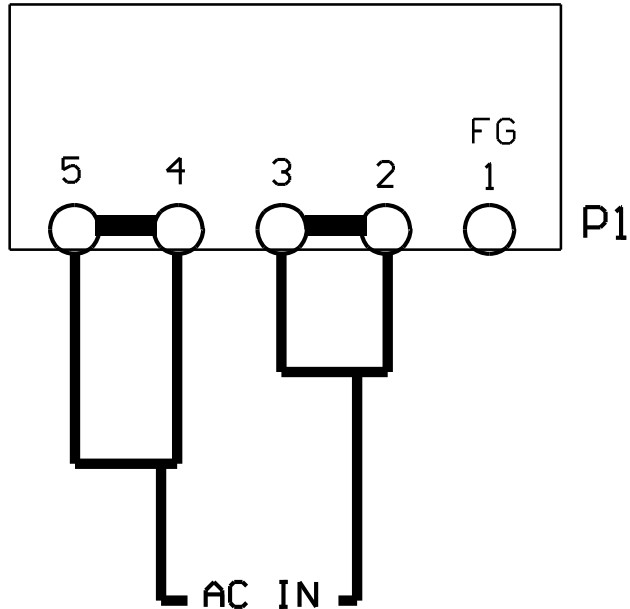
MSTronic Co., Ltd.

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

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

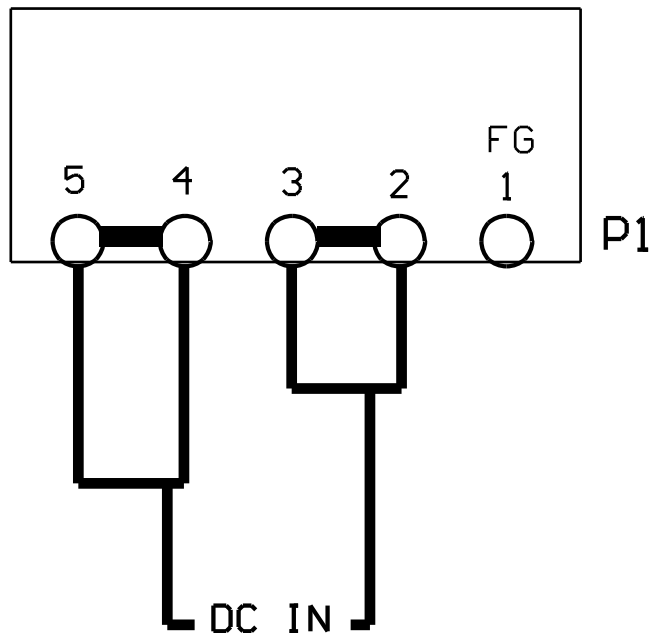
E.MAIL: mse@mse.com.tw

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



For AC input

use AC (pin3(L),5(N)) to input AC or use AC (pin 2(L),4(N)) to input AC.



For DC input

Use pin 4 or 5 and pin 2 or 3 to input DC, no matter what polarity, there is bridge inside.