

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-92G-56P12DC

PoE Splitter

DC/DC+PoE, 1G/5G, 802.3bt

SPECIFICATION

1. INPUT :

1.1 Input Voltage: 56Vdc (90W above, 802.3bt compliant)

1.2 Input Current: 1.6A at 56Vdc @ Full Load

2. OUTPUT :

2.1 Output Voltage & Current:

OUTPUT	56V(PoE)	12V(DC)
Max. load	1.07A	1.66A
Power	60W	20W
Min. Load	0A	0A
Load reg. %	5%	5%
Line reg. %	1%	1%
Ripple %	1%	1%
Noise %	1%	1%

TOTAL POWER :80W

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: 91% min at Full Load , 56Vdc Input Voltage

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 on each pair.

4.3 Safety Standard: meet EN62368-1.

4.4 EMC: meet FCC Class B, EN55032 Class B

4.5 Over Current:

POE output: 802.3bt Limits

12V output: 110% ~ 130%





MSTronic Co., Ltd.

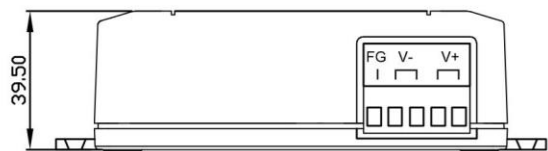
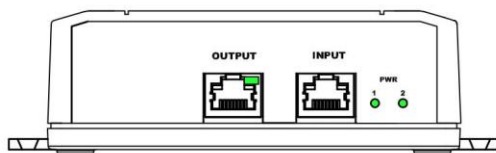
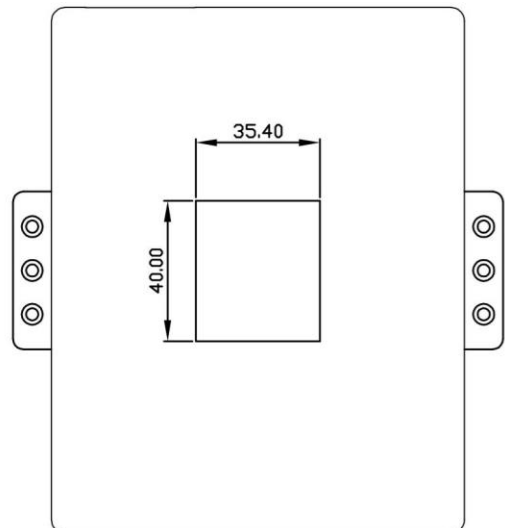
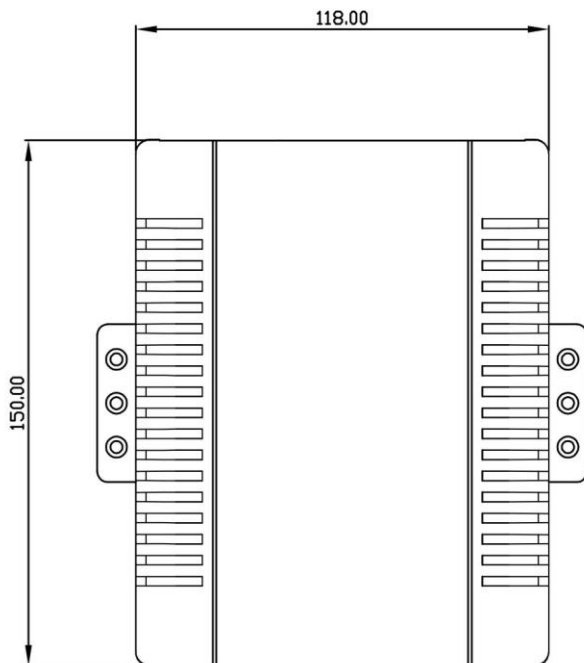
2F, 12, Gongshang Rd., Wugu District, New Taipei City, 248 Taiwan

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

E.MAIL: mse@mse.com.tw
WEB: <http://www.mse.com.tw>

5. 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 : 118*150*40 (L)*(W)*(H) unit: m/m DIN rail mountable

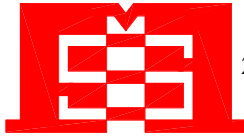


6. Indicator :

PWR 1: input work. Blink: input only 2 pairs, Steady on: input on all 4 pairs.

PWR 2: DC output work

RJ45: 802.3bt output work.



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



7 Output Connectors: 5P terminal block

8. RJ45 pins definition: @1000/5000MBASE

RJ-45 Input (Data & Power)			RJ-45 Output (Data & Power)	
Pin	Symbol	Description	Symbol	Description
1	-Vdc +BI_DA+	power(-)+Data Pair A+	-Vdc +BI_DA+	power(-)+Data Pair A+
2	-Vdc +BI_DA-	power(-)+Data Pair A-	-Vdc +BI_DA-	power(-)+Data Pair A-
3	+Vdc +BI_DB+	power(+)+Data Pair B+	+Vdc +BI_DB+	power(+)+Data Pair B+
4	+Vdc + BI_DC+	power(+)+Data Pair C+	+Vdc + BI_DC+	power(+)+Data Pair C+
5	+Vdc + BI_DC-	power(+)+Data Pair C-	+Vdc + BI_DC-	power(+)+Data Pair C-
6	+Vdc +BI_DB-	power(+)+Data Pair B-	+Vdc +BI_DB-	power(+)+Data Pair B-
7	-Vdc + BI_DD+	power(-)+Data Pair D+	-Vdc + BI_DD+	power(-)+Data Pair D+
8	-Vdc + BI_DD-	power(-)+Data Pair D-	-Vdc + BI_DD-	power(-)+Data Pair D-

- Note:
1. the PoE input to PoE output is pass through directly, no isolated,
 2. the PoE to DC output is isolated,
 3. PoE output port with surge protection.

