



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>

SPECIFICATION

MIT-65G-4856D-BT-M12-IP67

DC/DC Gigabit PoE Injector

M12, IP67, 802.3bt

1. INPUT :

- 1.1 Input Voltage: 40Vdc to 72Vdc Normal = 56V
- 1.2 Input Current:
 - 2.6A at 40Vdc @ Full Load
 - 1.9 A at 56Vdc @ Full Load
 - 1.5 A at 72Vdc @ Full Load

2. OUTPUT :

2.1 Output Voltage & Current:

OUTPUT	56V
Max. load	1.61A
Power	90W
Min. Load	0.01A
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 , 40Vdc ~ 72Vdc Input Voltage

4. PROTECTION

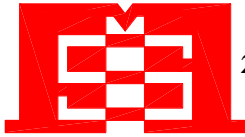
4.1 Short Circuit Protection

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

4.2 Input with Fuse Protection.

4.3 Safety Standard : meet EN62368-1.

4.4 EMC : meet EN55032 Class B, FCC Class B ,



MSTronic Co., Ltd.

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

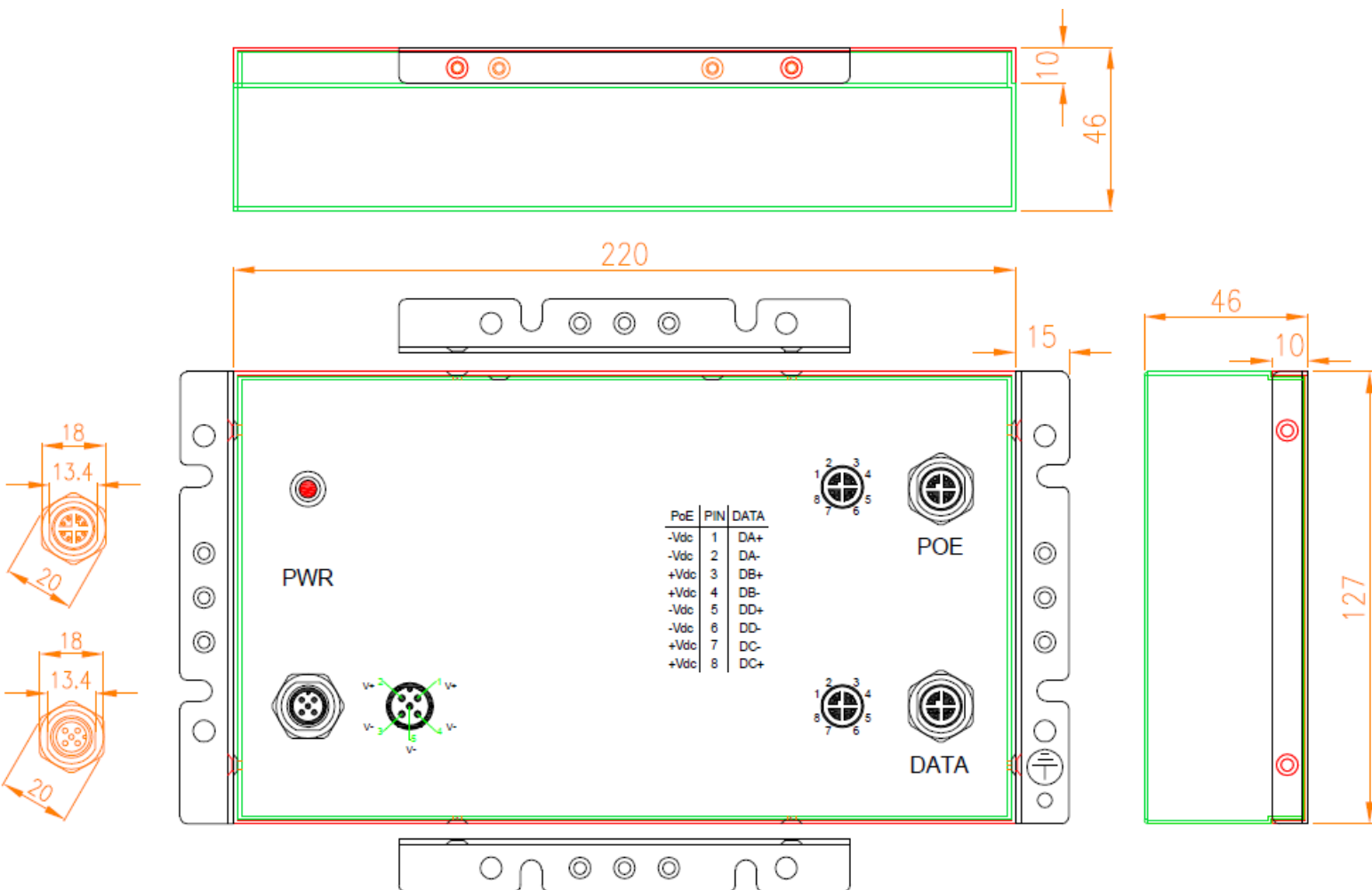
TEL:886-2-2293-0159 FAX:886-2-2292-8851

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

- 4.5 Over Current : 802.3BT Class 8 (96.6W)@All DC Input F.L
- 4.6 Input Reverse Protection-----NO Work
- 4.7 INPUT LOW Voltage Protection Point : 33.2V±0.3V
- 4.8 OUTPUT Over Voltage Protection Point : 59V±0.5V

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 : 127*220*46(L*W*H) m/m (without bracket)





MSTronic Co., Ltd.

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

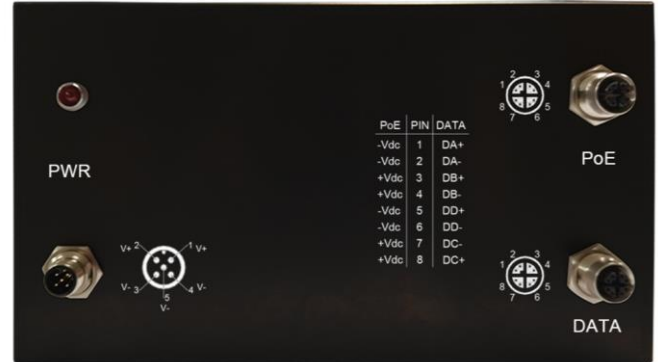
TEL:886-2-2293-0159 FAX:886-2-2292-8851

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

6. Indication :

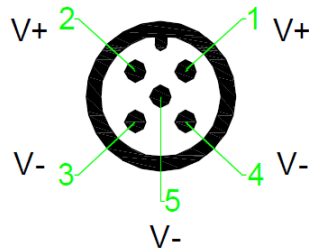
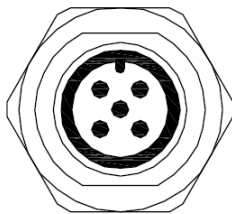
6.1 LED1(RED)

Indicate POE Output no valid detection.



7. Input connector

The device provides M12 A-Code 5 pin connector on the front panel for input, the pin assignments as the figure.



PIN 1	V+
PIN 2	V+
PIN 3	V-
PIN 4	V-
PIN 5	V-

8. M12 X-code jack Connected and pin out: @1G(@CAT6A)

M12 X-Code Input (Data Only)			M12 X-Code Output (Data & Power)		PIN of RJ45
Pin	Symbol	Description	Symbol	Description	Pin
1	BI_DA+	Data Pair A+	-Vdc + BI_DA+	power (-), Data Pair A+	1
2	BI_DA-	Data Pair A-	-Vdc + BI_DA-	power (-), Data Pair A-	2
3	BI_DB+	Data Pair B+	+Vdc + BI_DB+	power (+), Data Pair B+	3
4	BI_DB-	Data Pair B-	+Vdc + BI_DB-	power (+), Data Pair C+	6
5	BI_DD+	Data Pair D+	-Vdc + BI_DD+	power (-), Data Pair C-	7
6	BI_DD-	Data Pair D-	-Vdc + BI_DD-	power (-), Data Pair B-	8
7	BI_DC-	Data Pair C-	+Vdc + BI_DC-	power (+), Data Pair D+	5
8	BI_DC+	Data Pair C+	+Vdc + BI_DC+	power (+), Data Pair D-	4



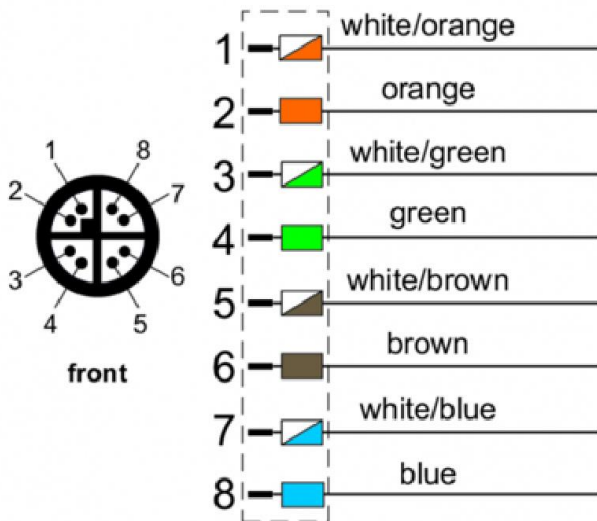
MSTronic Co., Ltd.

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

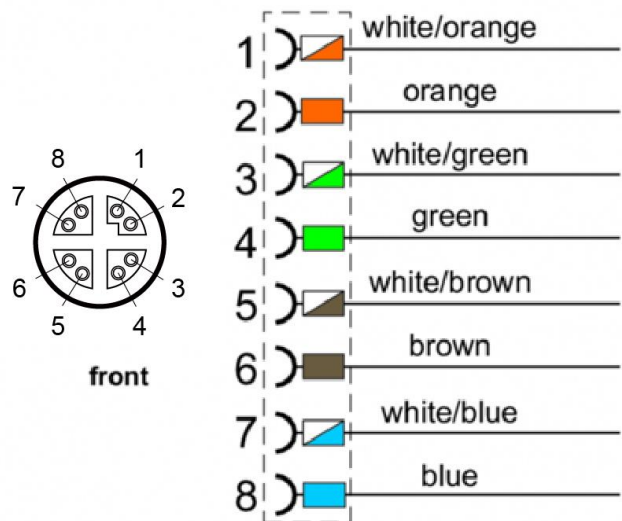
TEL:886-2-2293-0159 FAX:886-2-2292-8851

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

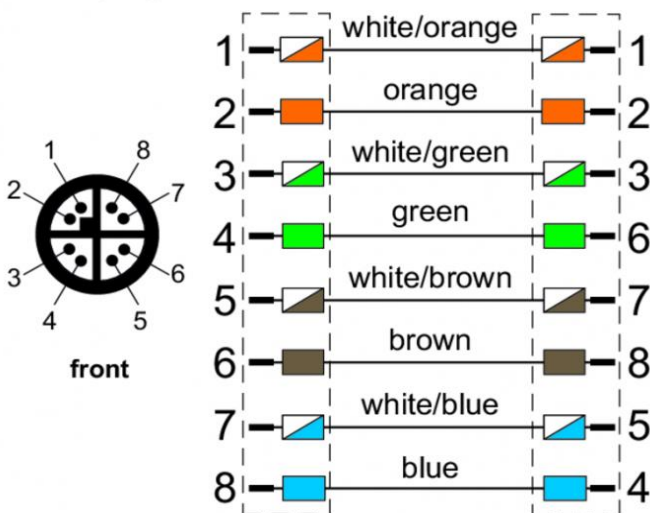
M12 plug



M12 jack



M12 plug



RJ45 plug

