

MSTronic Co., Ltd.

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SPECIFICATION

MIT-110G-56D

802.3at PoE Injector

1. INPUT :

- 1.1 Input Voltage: DC100V ~ 125V typical=110V
- 1.2 Input Current: 0.42A at 100Vdc @F.L
0.34A at 125Vdc @F.L
- 1.4 Inrush current: 25A Max at 125Vdc

2. OUTPUT :

2.1 Output Voltage & Current:

OUTPUT	56V
Max. load	0.625A
Power	35W Max
Min. Load	0A
Load reg. %	5%
Line reg. %	1%
Ripple %	1%
Noise %	2%

TOTAL POWER :35 W

Note 1: Ripple & Noise bandwidth is from DC to 20Mhz. Terminated With a 47uF Capacitor and 0.1uf MPE Capacitor of Proper Polarity.

3. EFFICIENCY : 85% min. at DC100V ~ 125V Input @F.L

4. PROTECTION

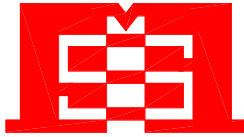
4.1 Short Circuit Protection

Output Short GND Terminal will not damage the Power Supply, it will Auto-Recover when Load status back to normal.

4.2 Over Voltage Protection : 58V ~ 60V

4.3 Over Current Limits : 115% ~ 125% @100V ~ 125Vac

4.4 P IN-1,2 Control PSE Output ON/OFF



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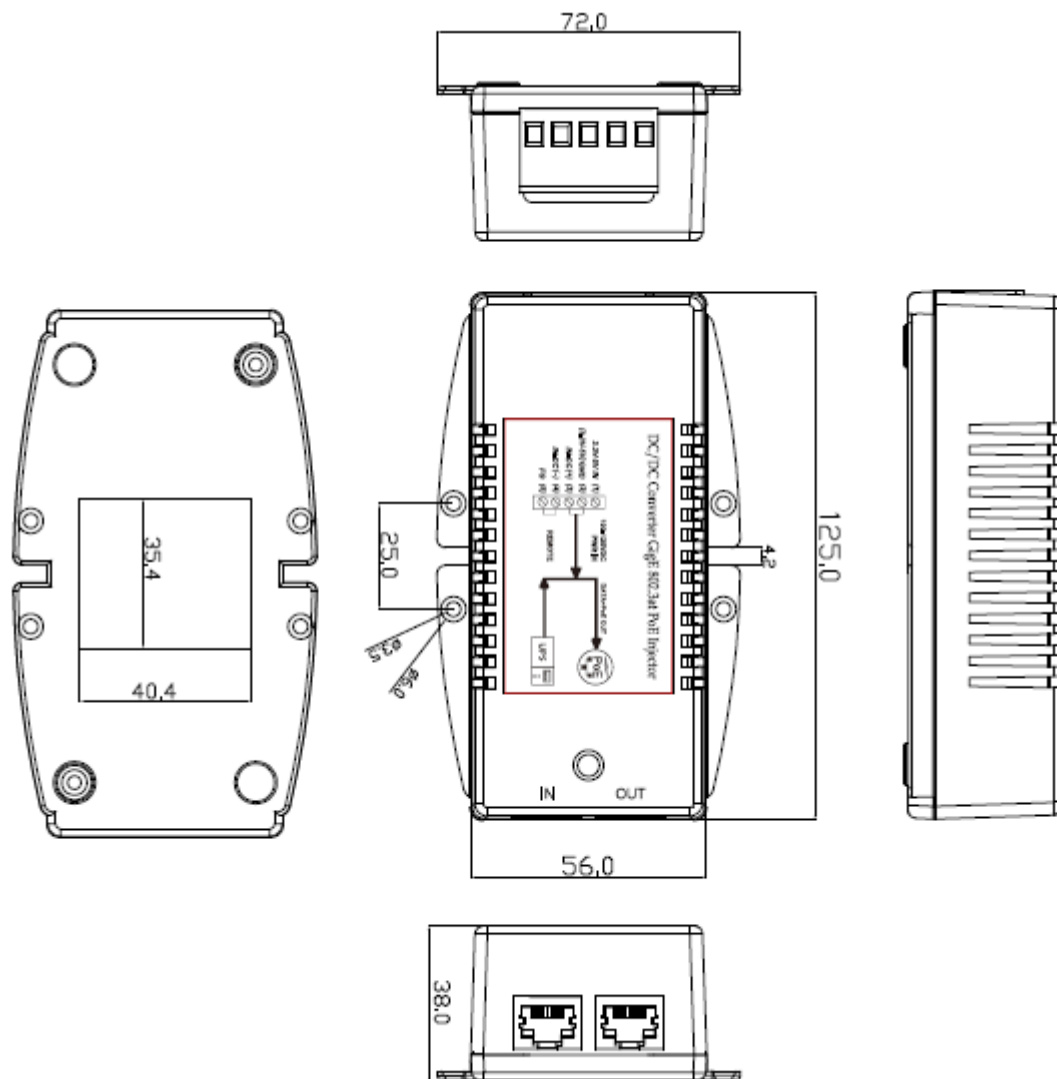
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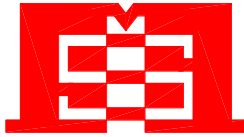
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- 4.5 Input with Fuse Protection
- 4.6 LED (RED) indicate PWR – OK
LED (GREEN) indicate POE Output –OK

5. GENERAL DESCRIPTION

- 5.1 Operation Temperature: -40 - +50 °C
- 5.2 Storage Temperature: -40 - +85 °C
- 5.3 Operation Humidity: 5% - 90%RH (non-condensing)
with conformal coating on PCBA
- 5.4 Cooling: Free air cooling
- 5.5 SIZE 125*72*38 (L*W*H)





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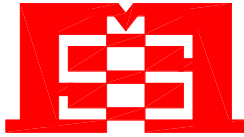
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6. RJ45 Connected and pin out: @GIGABASE

Power-Hub RJ45 Input Socket (per channel) data & Power-Connected to DTE

RJ-45 Input(only Data)		
Pin	Symbol	Description
1	RX+	Data Receive
2	RX-	Data Receive
3	TX+	Data Transmit
4	Data	Data
5	Data	Data
6	TX-	Data Transmit
7	Data	Data
8	Data	Data
9	Shield	Connector shielding

RJ-45 Output (Data & Power)		
Pin	Symbol	Description
1	RX+	Data Receive
2	RX-	Data Receive
3	TX+	Data Transmit
4	Vin +, Data	Data /Feeding power(+)
5	Vin+, Data	Data /Feeding power(+)
6	TX-	Data Transmit
7	V-, Data	Data /Feeding power(-)
8	V-, Data	Data /Feeding power(-)
9	Shield	Connector shielding



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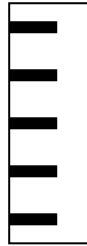
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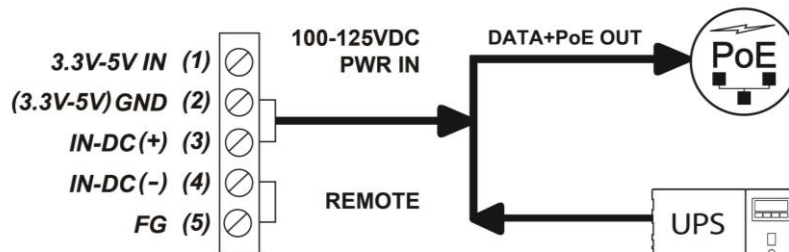
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7. Input/output connection:

3.3V ~ 5V IN(1)
(3.3V ~ 5V) GND(2)
IN-DC (+) (3)
IN-DC (-) (4)
FG(5)



DC/DC Converter GigE 802.3at PoE Injector





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8. Diagram of remote control

