



MSTronic Co., Ltd.

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MIT-93G-2T60DH **802.3bt Gigabit PoE Injector**

SPECIFICATION

1. INPUT :

- 1.1 Input Voltage: 52Vdc 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	1.07A
Power	60W
Min. Load	0A
Load reg. %	5%
Line reg. %	1%
Ripple %	1%
Noise %	1%

TOTAL POWER : 60W

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 60W.

The output power is determined based on the input PSE power and voltage.

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



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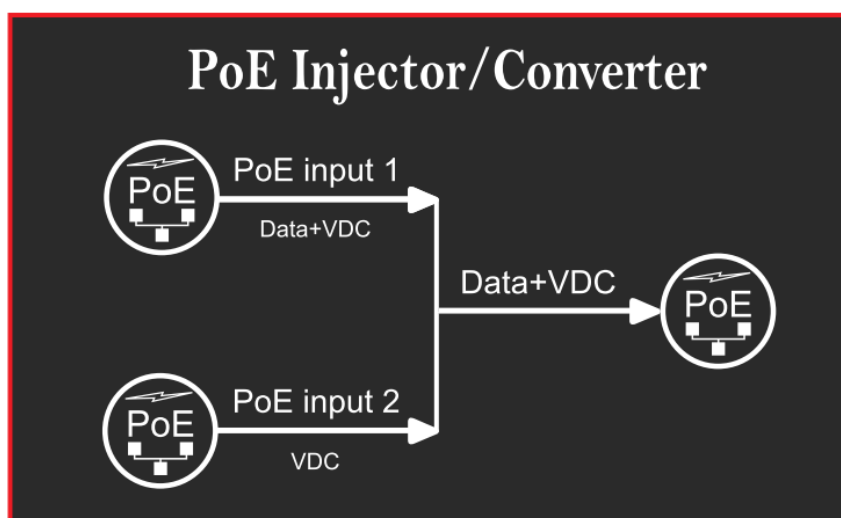
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5. Indicator

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 -/+



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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).



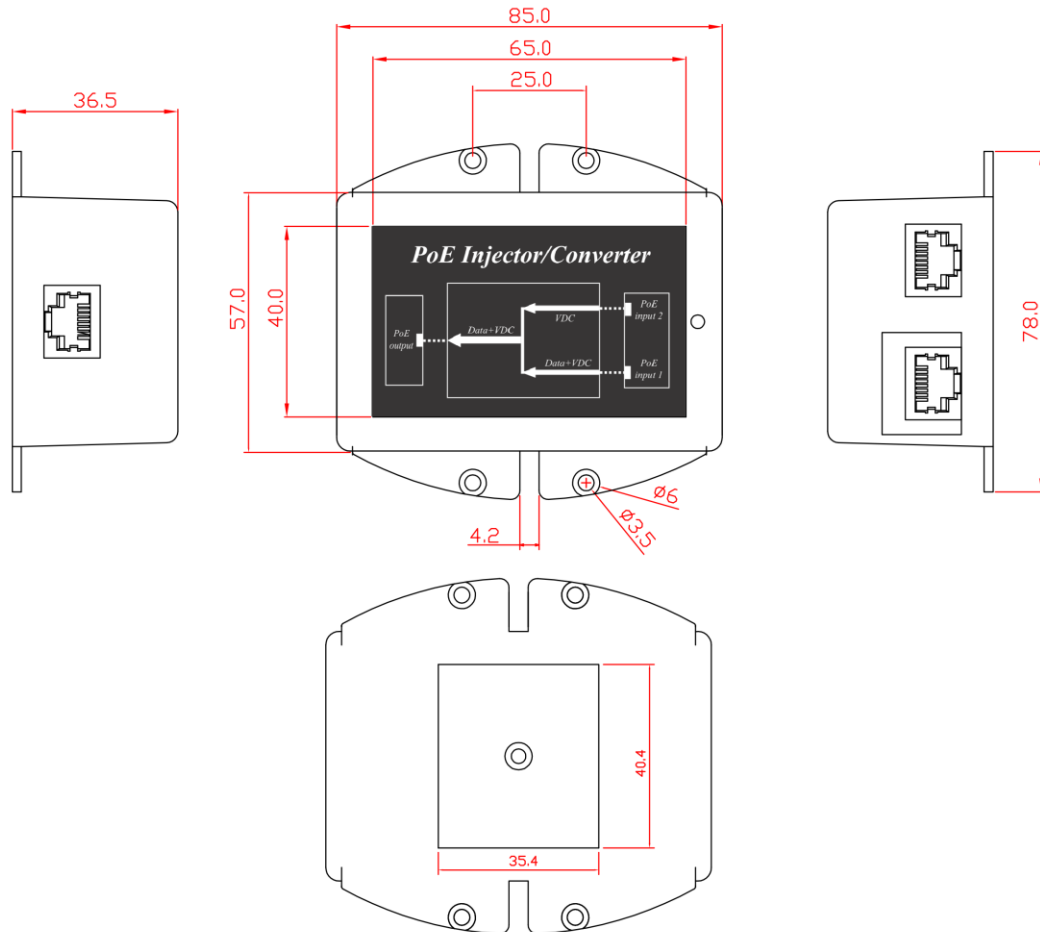
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SPEC. of SURGE/LIGHTNING PROTECTION



TVS Diode Arrays (SPA® Diodes) Lightning Surge Protection- SP4022 Series

Absolute Maximum Ratings

Symbol	Parameter	Value	Units
I_{PP}	Peak Current ($t_p=8/20\mu s$)	15	A
P_{PK}	Peak Pulse Power ($t_p=8/20\mu s$)	500	W
T_{OP}	Operating Temperature	-40 to 150	°C
T_{STOR}	Storage Temperature	-55 to 150	°C