



# MSTronic Co., Ltd.

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## MIT-69G-1248BNNN

### DC/DC Gigabit PoE Injector

#### SPECIFICATION

##### 1. INPUT :

- 1.1 Input Voltage: 9Vdc to 36Vdc
- 1.2 Input Current: 1.85A at 12Vdc  
0.90A at 24Vdc

##### 2. OUTPUT :

##### 2.1 Output Voltage & Current:

OUTPUT	+48V
Max. load	0.5A
Power	24W
Min. Load	0.01A
Load reg. %	5%
Line reg. %	1%
Ripple %	1%
Noise %	1%

TOTAL POWER : 24W

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 : 75% min at Full Load , 12Vdc & 24Vdc 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 UL1950, CSA 22.2 &TUV EN60950-1.

##### 4.4 EMC : meet FCC Class A, EN55032 Class A

##### 4.5 Over Current : 120% ~ 160% @12Vdc Input F.L

##### 4.6 Dual Input Pin & Reverse Protection-----NO Work

##### 4.7 Low input voltage protection: input lower than 8V will cut off the connection.



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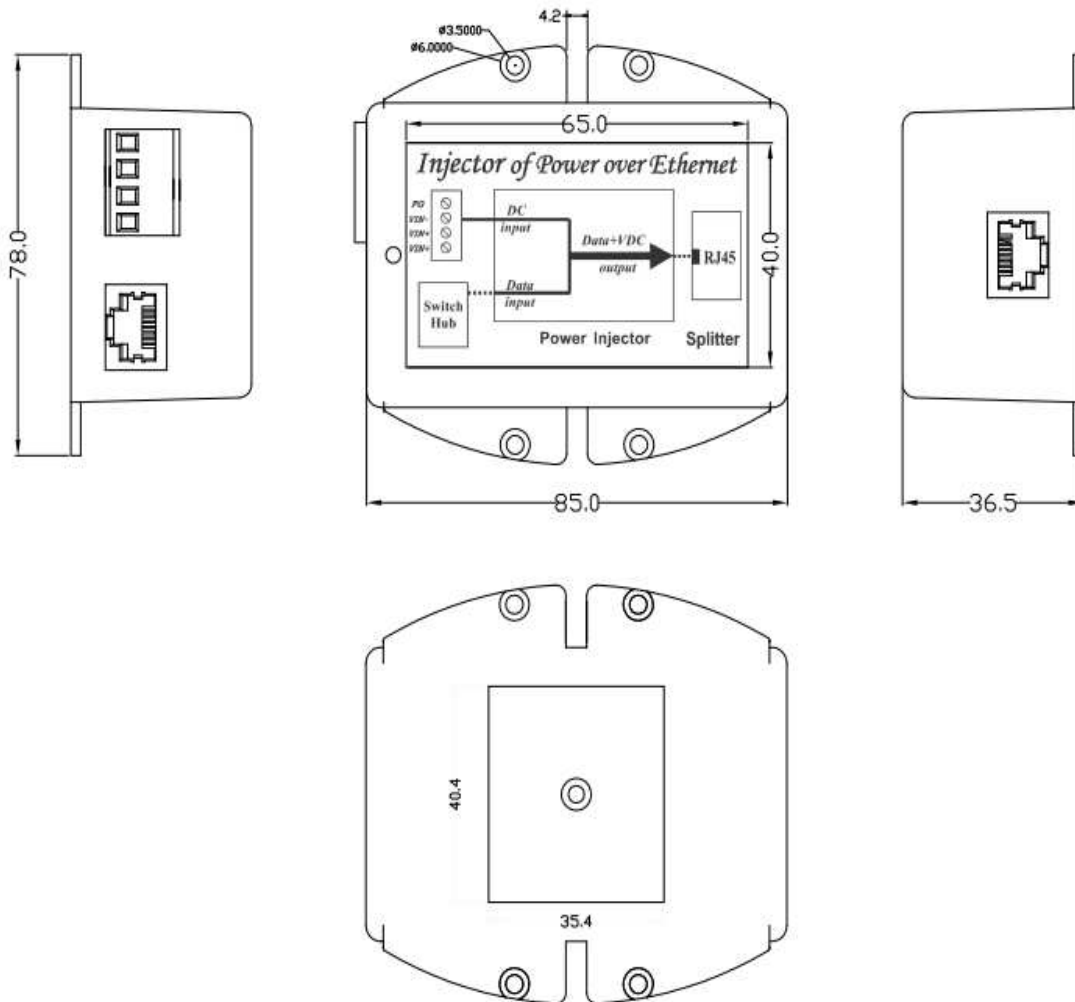
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## 5. GENERAL DESCRIPTION

- 5.1 Operation Temperature: - 25C - +50C
- 5.2 Storage Temperature: -40C - +85C
- 5.3 Operation Humidity: 5% - 90%
- 5.4 Cooling: Free air cooling
- 5.5 Dimensions: Plastic case (MIT-69G-1248BNNN): 85\*78\*36 (L)\*(W)\*(H)



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## 6. Indicator :

6.1 Output OK the LED will be “GREEN”

## 7. RJ45 Connected and pin out: @1000MBASE

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

Note : the model is isolated design, the output +/- or input +/- can be shorted to ground (FG).