



# MSTronic Co., Ltd.

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## MIT-69N-1224BNNN

### DC/DC PoE Injector

#### SPECIFICATION

#### 1. INPUT :

- 1.1 Input Voltage: 9Vdc to 36Vdc
- 1.2 Input Current: 2.05A at 12Vdc(2.86A at 9Vdc)  
1.0A at 24Vdc(0.67A at 36Vdc)

#### 2. OUTPUT :

#### 2.1 Output Voltage & Current:

OUTPUT	+24V
Max. load	0.8A
Power	19.2W
Min. Load	0.01A
Load reg. %	5%
Line reg. %	1%
Ripple %	1%
Noise %	1%

TOTAL POWER : 19.2W

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.

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

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

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



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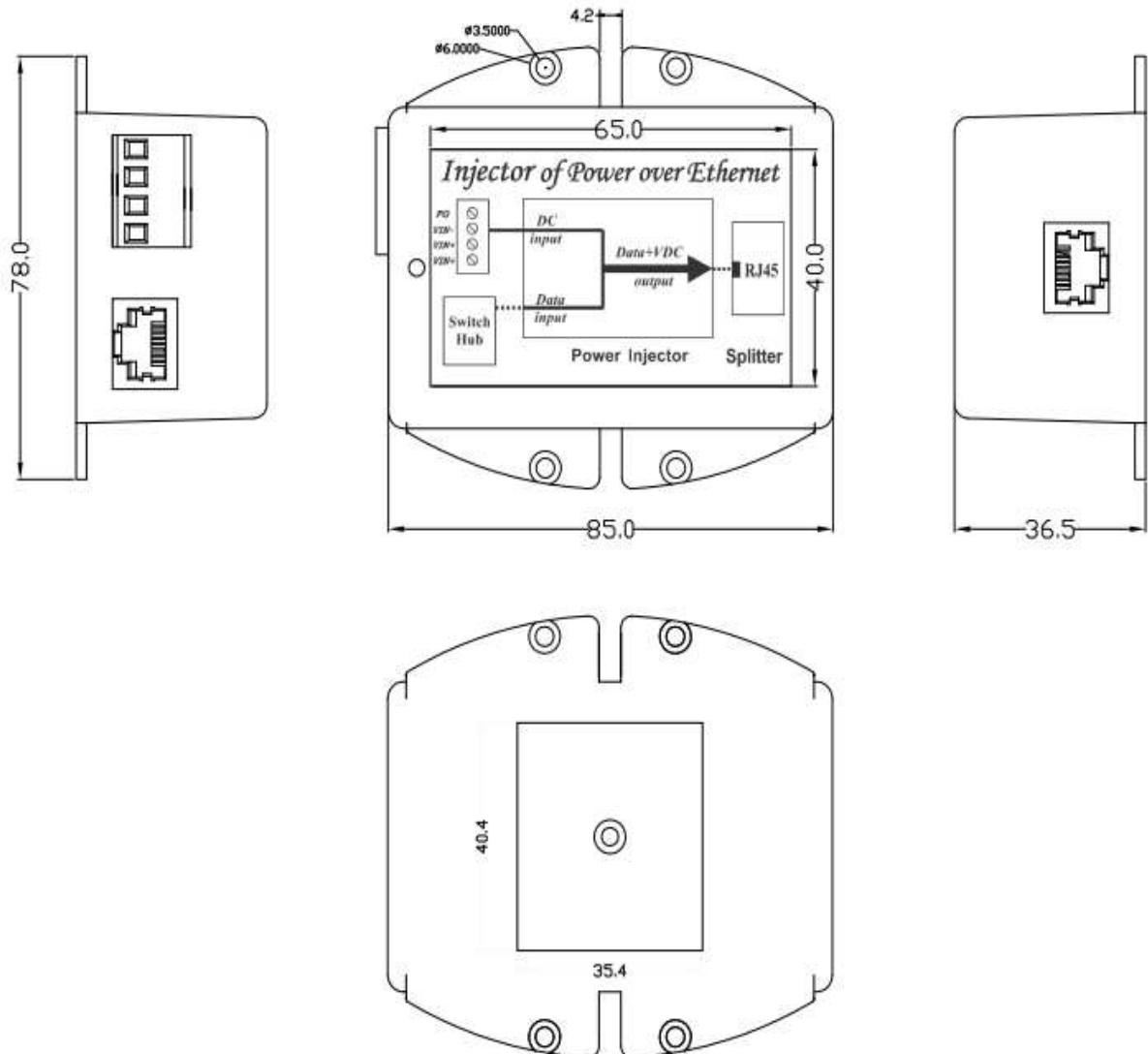
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## 5. GENERAL DESCRIPTION

- 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: PC case (MIT-69N -1224BNNN): 85\*78\*36 (L)\*(W)\*(H)

DIN rail mountable



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## 6. Indicator :

6.1 Output OK the LED will be "GREEN"

## 7 CONNECTION:

RJ-45 Input (Data Only)			RJ-45 Output (Data & Power)	
Pin	Symbol	Description	Symbol	Description
1	RX+	Data Receive	RX+	Data Receive
2	RX-	Data Receive	RX-	Data Receive
3	TX+	Data Transmit	TX+	Data Transmit
4	NC	Not Connector	-Vdc	Feeding power(+)
5	NC	Not Connector	-Vdc	Feeding power(+)
6	TX-	Data Transmit	TX-	Data Transmit
7	NC	Not Connector	(-Vdc)_return +	Feeding power(-)
8	NC	Not Connector	(-Vdc)_return +	Feeding power(-)

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