



MSTronic Co.,Ltd.

2F, 12, Gongshang Rd., Wugu Dist., 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>

MIT-07-48

AC/DC PoE Injector

SPECIFICATION

1. INPUT :

- 1.1 Input Voltage: 90Vac to 264Vac
- 1.2 Input Frequency: 47-63 hz
- 1.3 Input Current: 0.5A at 120Vac
0.3A at 230Vac

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 , 120Vac & 230Vac 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 Over Current : 120% ~ 160% @120Vac Input F.L

4.3 High Voltage Protection: Output DC voltage over 52V will stop output.

4.4 Input with Fuse Protection.

4.5 Safety Standard : EN60950-1.

4.6 EMC: FCC Class B, EN55022 Class B



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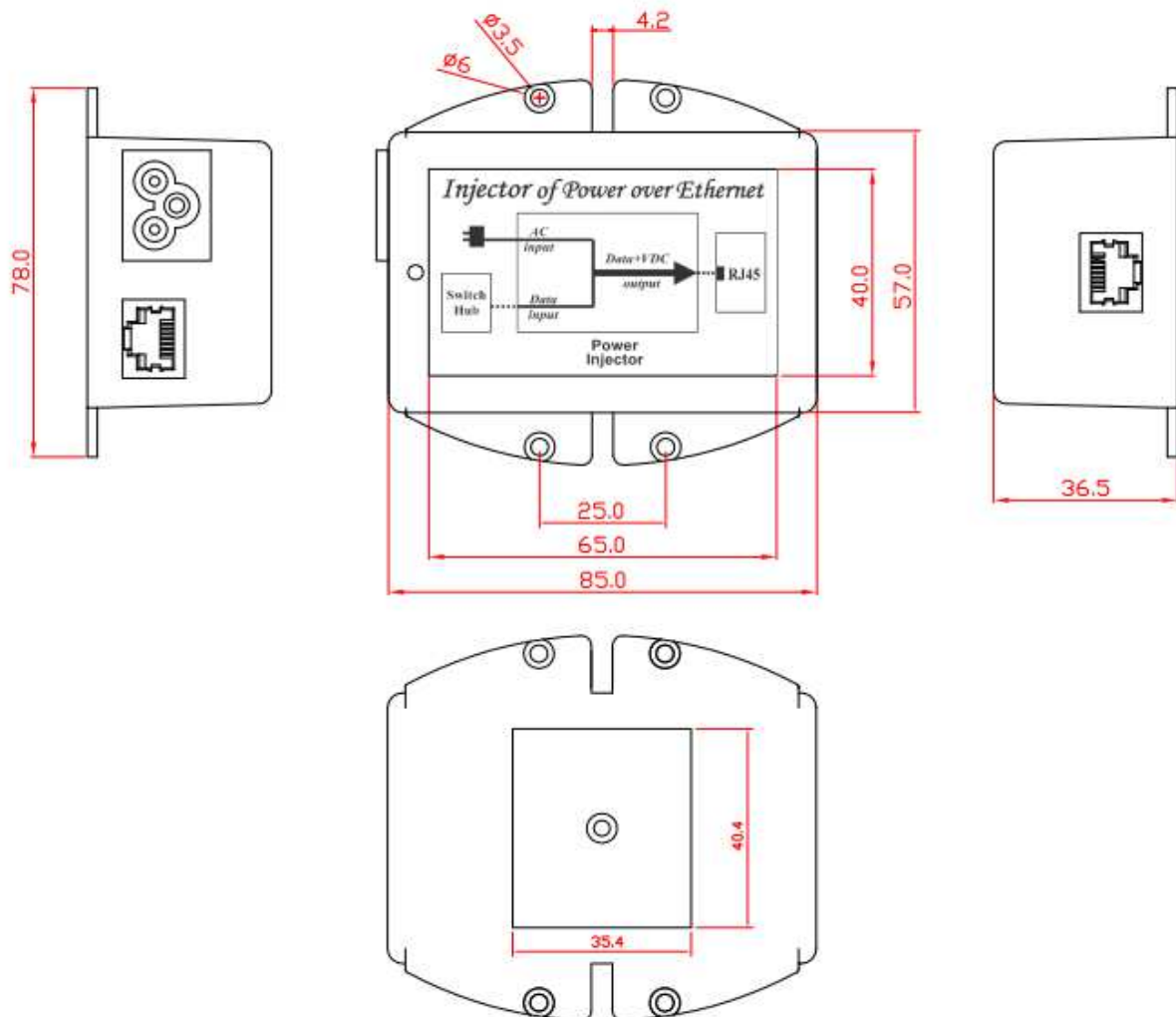
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5. GENERAL DESCRIPTION

- 5.1 Operation Temperature: - 25 ~ +50 Degree
- 5.2 Storage Temperature: -40 ~ +85 Degree
- 5.3 Operation Humidity: 5% - 90%
- 5.4 Cooling: Free air cooling
- 5.5 SIZE : 85*78*36 (L)*(W)*(H) unit: m/m
- 5.6 DIN rail mountable with clip kit (option)



6. ALL MATERIALS MEET RoHS DIRECTIVE.

7. BULK PACKAGE:

One carton holds 100 pcs of MIT-07, the carton dimension is 52cm*47cm*27cm, G.W. 18 kg, the 4 feet AC cord is put separately, one carton hold 100 pcs of AC cord, G.W. 12 kg.



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8. Indicator :

8.1 Output ready, the indicator light on GREEN.

9. CONNECTION:

RJ45 pin out:

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	Feeding power(-)
8	NC	Not Connector	-Vdc	Feeding power(-)

Note :

1. DC output gnd and Vin+/- should not be shorted to ground(FG).

10 SPEC. of SURGE/LIGHTNING PROTECTION

	Signal
Operating Voltage	Data 5V
Clamping Voltage	Data 16.5V (@I PP =5A, t p =8/20μs, I/O pin to GND)
Peak Pulse Current	20A (tp=8/20μs)
Pin Protected	4 pin protected (signal pairs)
Max. Shut Capacitance	<3pF (VR = 0V, f = 1MHz, I/O pin to GND) < 1.5 pF (VR = 0V, f = 1MHz, Between I/O pins)
IEC COMPATIBILITY (EN61000-4)	IEC61000-4-2 (ESD) ±15kV (air), ±8kV (contact) IEC61000-4-4 (EFT) 40A (5/50ns) IEC61000-4-5 (Lightning) 20A (8/20μs)