



MSTronic Co., Ltd.

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MIT-96T-1256BDNM

DC/DC 802.3at 5G/10G PoE Injector

SPECIFICATION

1. INPUT :

- 1.1 Input Voltage: 10Vdc to 36Vdc
- 1.2 Input Current: 3.90A at 12Vdc
1.96A at 24Vdc

2. OUTPUT :

2.1 Output Voltage & Current:

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

TOTAL POWER : 35W

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 EN62368-1, EN45545

4.4 EMC : meet FCC Class B , EN55032 Class B, EN60945, EN50155,

4.5 PoE : compliant to 802.3at mode B class 0

4.6 Over Current : 802.3at @ 10~36V Input F.L

4.7 Dual Input Pin & Reverse Protection-----NO Work



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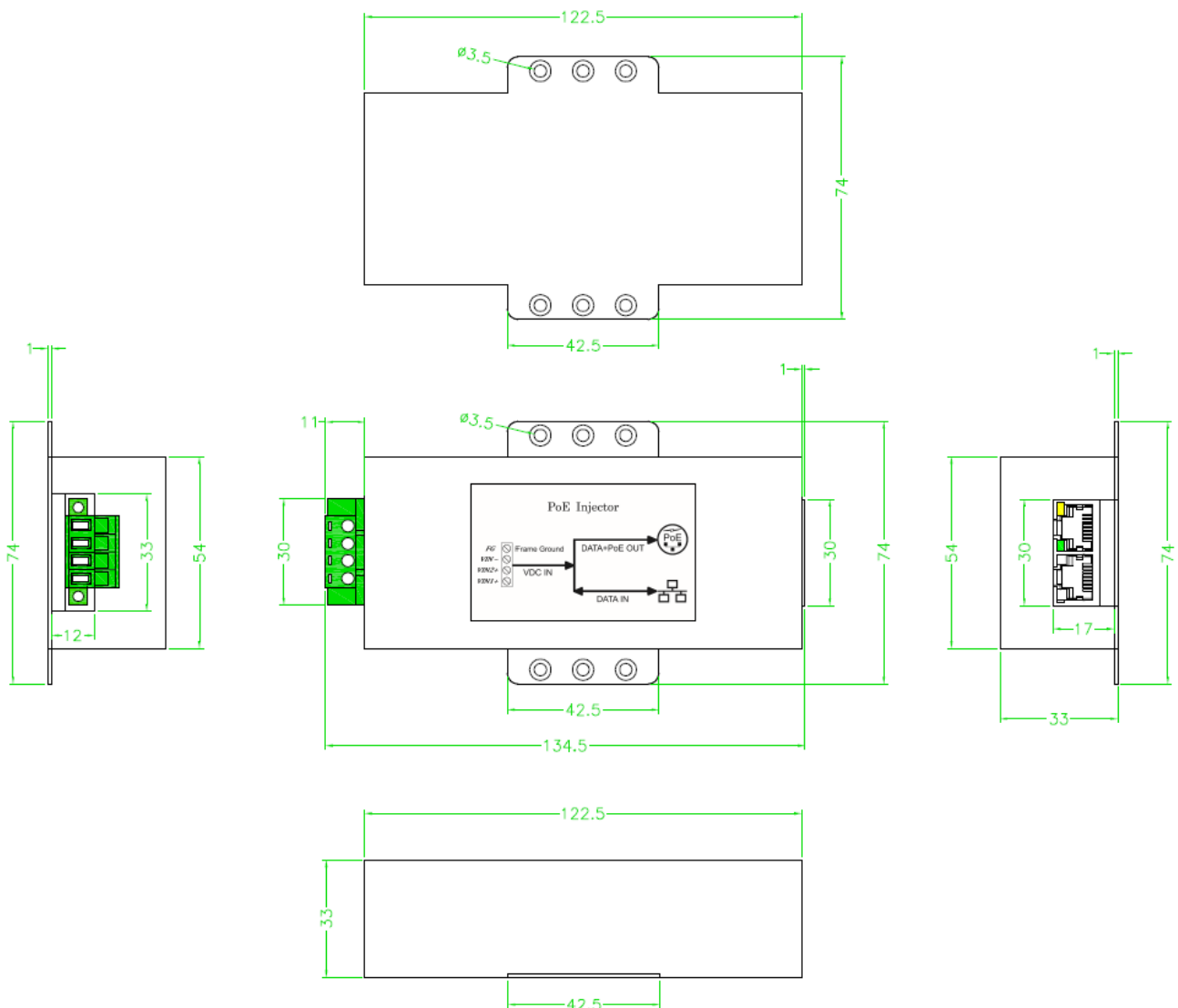
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5. GENERAL DESCRIPTION

- 5.1 Operation Temperature: -40C - +70C
- 5.2 Storage Temperature: -40C - +85C
- 5.3 Operation Humidity: 5% - 90%
- 5.4 Cooling: Free air cooling
- 5.5 Dimensions: 122.5*74*33(L*W*H)m/m DIN rail mountable



6. Indicator:

- 6.1 power ready: YELLOW on
- 6.2 802.3at output: GREEN on



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7. RJ45 Connected and pin out: @5Gbps(CAT6A)

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 :

1. the model is isolated design.
2. 5Gbps@100m/70C
 10Gbps@50m/25C

