

TwinRadio HYC-MIT-25B-100

100 watts Gigabit PoE Injector

For the Wi2.000 XPIC FDD Radio PTP Bridge IP Link



SPECIFICATION

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1. INPUT :

- 1.1 Input Voltage: AC 90V ~ 264V @120V/230V
- 1.2 Input Frequency : 47 ~ 63hz
- 1.3 Input Current: 1A at 120Vac @F.L
0.5A at 230Vac
- 1.4 Inrush current: 25A Max at 120Vac & 50A Max at 230Vac

2. OUTPUT :

2.1 Output Voltage & Current:

OUTPUT	+56V
Max. load	1.79A
Power	100W Max
Min. Load	0.1A
Load reg. %	5%
Line reg. %	1%
Ripple %	1%
Noise %	2%

TOTAL POWER :100 W

Note 1: Ripple & Noise bandwidth is from DC to 20Mhz. Terminated With a 47uF Capacitor and 0.1uf MPE Capacitor of Proper Polarity.

3. EFFICIENCY : 85% min. at ALL Input Voltage@F.L

4. PROTECTION

4.1 Short Circuit Protection

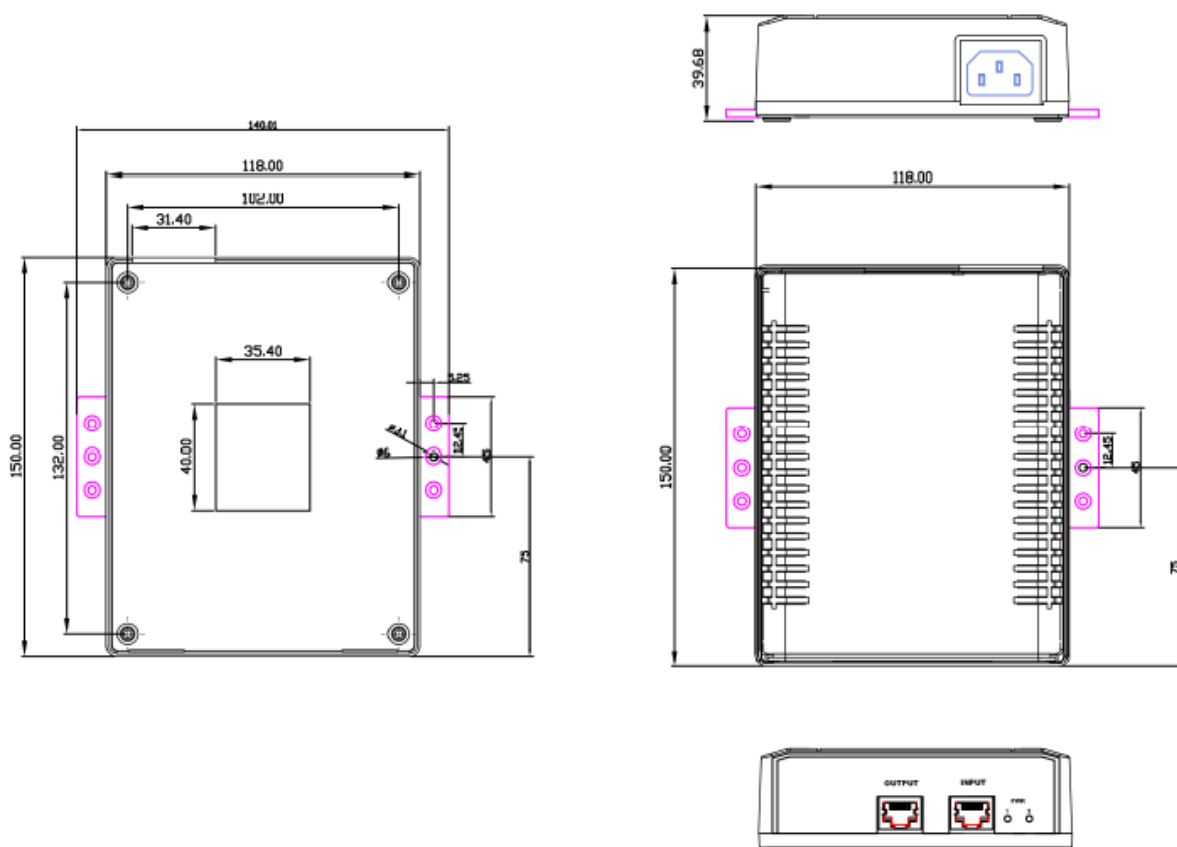
output Short GND Terminal will not damage the Power Supply and will auto-recover when Load status back to normal.

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- 4.2 Over Voltage Protection : 59V ~ 65V
- 4.3 Over Current Limits : 150% ~ 200% @90V ~ 240Vac
- 4.4 Input with Fuse Protection
- 4.5 LED ON indicate PWR output – OK

- 5. EMC : Meet FCC Class B EN55022 Class B
- 5.1 SAFETY STANDARD : Meet EN60950-1
- 5.2 Hold up time :6mS min. at maximum load &120Vac Input.

- 6. GENERAL DESCRIPTION
- 6.1 Operation Temperature: -25 - +50 Degree
- 6.2 Storage Temperature: -40 - +85 Degree
- 6.3 Operation Humidity: 5% - 90%
- 6.4 Cooling: Free air cooling
- 6.5 SIZE 140*150*40 (L*W*H) DIN rail mountable





7. RJ45 Connection and pin out: @GIGABASE

RJ-45 Input (only Data)		
Pin	Symbol	Description
1	BI_DA+	Data Pair A+
2	BI_DA-	Data Pair A-
3	BI_DB+	Data Pair B+
4	BI_DC+	Data Pair C+
5	BI_DC-	Data Pair C-
6	BI_DB-	Data Pair B-
7	BI_DD+	Data Pair D+
8	BI_DD-	Data Pair D-
9	Shield	Connector shielding

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

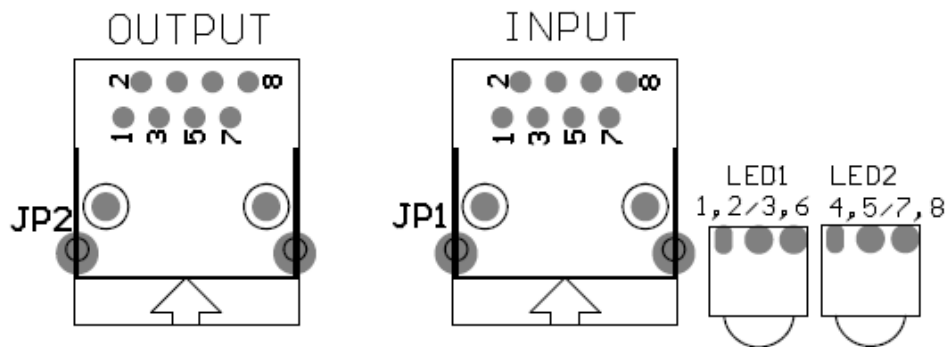
8. INDICATORS :'

1. PWR 1 & 2 light GREEN indicate output ready,

PWR1 for pin 1236,

PWR2 for pin 4578.

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9. CONNECTORS :

OUTPUT = POE OUTPUT (56VDC + SIGNAL on ALL 8 PINS)

INPUT = Only for SIGNAL input

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	All 8 pin protected
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)

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