

SPECIFICATION

802.3at Compliant Gigabit Power Over Ethernet Injector

Universal AC Input 50W 56VDC Output



P/N: AP560009MS POE

****Specification Approval****

This specification (total 4 pages including cover page) is approved in it's entirety by:

Company Name	Print Name	Signature	Date
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Tel: 1-408-980-9813
 Fax: 1-408-980-8626
 Email: infor@topmicro.com
 Web: www.topmicro.com

1. INPUT :

- 1.1 Input Voltage: AC 90V ~ 264V @120V/230V
- 1.2 Input Frequency: 47 ~ 63hz
- 1.3 Input Current: 0.75A at 120Vac @ full load
0.39A at 230Vac
- 1.4 Inrush Current: 25A Max. at 120Vac & 50A Max. at 230Vac

2. OUTPUT :

2.1 Output Voltage & Current:

Part No.	A560009MS POE
Output	56V+56V
Max. Load	0.9A
Power	50.4W Max
Min. Load	0A
Load reg. %	5%
Line reg. %	1%
Ripple %	1%
Noise %	2%

Ripple & noise bandwidth is from DC to 20Mhz. Terminated with a 47uF capacitor and 0.1uf MPE capacitor of proper polarity.

3. EFFICIENCY: 80% min. at AC 120V input @ full load

4. PROTECTION

4.1 Short Circuit Protection

Output short GND terminal will not damage the power supply will auto-recover when load status normalizes.

4.2 Over Voltage Protection: 59V ~ 65V

4.3 Over Current Limits: 150% ~ 200% @ 90V ~ 240Vac

4.4 Input Fuse Protection

5. EMC: FCC Class B, EN55022 Class B

5.1 Safety standard: Meet UI1950, CS0A 22.2 &TUV EN60950-1

5.2 Hold up time: 6mS min. at maximum load &120Vac Input.

6. GENERAL DESCRIPTION

6.1 Operation Temperature: -25 - +50 °C

6.2 Storage Temperature: -40 - +80 °C

6.3 Operation Humidity: 5% - 90%RH (non-condensing)

6.4 Cooling: Free air cooling

6.5 Size: 125*75*38 (L*W*H)

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-

8. Indication :

LED (GREEN) POE normal output to 802.3at application

8. Mechanical Drawing

