

Embedded accessories

## PSU-DT24V100W-M12

Desktop Power Supply



## Desktop Power Supply - 100 Watts

Reliable desktop power supply for Syslogic AI Embedded Box PC's (COMPACT A2, COMPACT A3, COMPACT A3N)

- **Extended temperature range**
- **24/7 continuous operation**
- **MTBF: 100 000 hours**



### Product Highlights

Over Voltage Protection  
Short Circuit Protection  
Over Current Protection  
Energy Star Version 2.0  
Energy Efficiency level VI

### Product Features

Wide Input Range  
RoHS Compliance  
Over Voltage Protective Installation  
Over Current Protective Installation  
Over Temperature Protective Installation  
Short Circuit Protective Installation  
LED Indication

**Input Requirements**

Rated Voltage	100–240Vac
Normal line input	115Vac/60Hz, 220Vac/50Hz
Input Frequency	47~63 Hz
Input Current	2.0A max at 115Vac input with full load
Input Current	1.0A max at 240Vac input with full load
No Load Power Consumption	< 0.15W at normal line input
Configuration	2-wire AC input (Line ,Neutral)
Inrush Current (at cold start, maximum load)	≤ 60A at 110Vac/ ≤ 120A at 220Vac
Line Regulation	less than ± 1%, of rated output voltage at full load
Hold Up Time	≥ 10 ms at normal line with full load
Rise Time	≤ 50ms at 100-240V AC input, with full load

**Output Requirements**

Output Voltage	+24V Vdc
Current Min.	0A
Current Max	4.16A
Load Regulation Voltage	+24V Vdc
Load Regulation Tolerance	+5/-5%
Load Regulation	22.8~25.2V
Dynamic Load Regulation	±5% excursion for 50%–100% or 100%–50% load change of DC output at any frequency up to 1KHz(duty 50%)
Over Voltage Protection	150% Max. of rated voltage
Over Current Protection	110~ 170% output current
Temperature Rise (Optional)	Less than 50°C on top/bottom case at normal AC input and 80% load of DC output at environment temperature 25°C.
Voltage Isolation	The DC ground will be isolated from the AC neutral and AC line.

**Environmental Conditions**

Operating Temperature	0 to 40°C
Storage Temperature	-20 to 85°C
Operating Humidity	10% to 90 %
Storage Humidity	5% to 90 %
Altitude	From sea level to 5000 Meter
EMI	Complies with standards: CISPR 32, EN 55032 Class B, FCC PART 15 Class B

**Mechanical Specifications**

Dimensions W x D x H [mm]	59 x 137 x 35
Net weight [gram]	450
cable length (DC side / AC side)	1,2m / 1,8m
DC connector	M12 a-coded, female, 5 pins
AC plug (AC cables included in delivery)	Europlug CEE 7/16 (Europe) / NEMA 1-15P (USA)

Product specifications subject to change without notice. | All data is for information purposes only and not guaranteed for legal purposes. Information in this data sheet has been carefully checked and is believed to be accurate. However, no responsibility is assumed for inaccuracies. Please refer to the user documentation for additional product specification.

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Syslogic Datentechnik AG  
Täferstrasse 28  
CH-5405 Baden Dättwil

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For further information and support:  
[info@syslogic.com](mailto:info@syslogic.com)  
[support@syslogic.com](mailto:support@syslogic.com)  
[www.syslogic.com](http://www.syslogic.com)

+41 56 200 90 40 Switzerland (Headquarters)  
+49 7741 967 14 20 Germany and Austria