

1U Type Industrial Power Supply

EFAP-501 (New)

EPS1U

- 500 watts Output Power**
- Support to Dual Nocona Processors**
- Three +12V Output Rails**
- EPS1U Application for Nocona CPU**
- Meet 1U Rack Mount System**



Dimensions: 106(W) x 40(H) x 272(D) mm

Features:

- ⦿ Universal Power Input
- ⦿ Active Power Factor Correction
- ⦿ Dual +12V Output Rails
- ⦿ Dual Processors Application
- ⦿ Remote DC Sense on +5V and +3.3V
- ⦿ Short Circuit Protection
- ⦿ Over Current Protection
- ⦿ Over Voltage Protection
- ⦿ Over Power Protection
- ⦿ MTBF >100,000 Hours

General Specifications:

- ⦿ Input Range: 100 to 240 VAC, +/-10%
- ⦿ Power Factor: 0.95 minimum
- ⦿ Efficiency: 70% minimum, at full load
- ⦿ Hold up Time: 20mS minimum, at full load
- ⦿ PSON (Remote ON/OFF): TTL compatible signal
- ⦿ Power Good: 100 to 500 ms, TTL compatible signal
- ⦿ Cooling Fan: 40x40x28 mm (SANYO)
- ⦿ Operating Temperature: 0 to 50 degree
- ⦿ Operating Humidity: 20 to 90 %

Agency Requirements:

- ⦿ Harmonic: Meet EN61000-3-2 standards
- ⦿ EMI/RFI: CE, FCC class B and CISPR class B
- ⦿ Safety: UL, cUL, CB, TUV

Electrical Specifications:

Regulation, Ripple & Noise:

Output	+5V	+3.3V	+12V	-5V	-12V	5Vsb
Load Regulation	± 5%	± 5%	± 5%	± 5%	± 5%	± 5%
Cross Regulation	± 5%	± 5%	± 5%	± 5%	± 5%	± 5%
Line Regulation	± 1%	± 1%	± 1%	± 1%	± 1%	± 1%
Ripple & Noise	50mV	50mV	120mV	100mV	120mV	50mV

Input and Output Ratings:

Input				Output							
Voltage	Frequency	Current	Watt	Load	+5V	+3.3V	+12V1	+12V2	+12V3	-12V	5Vsb
100 – 240 VAC	47-63 Hz	9-4.5A	500W	Max Load	12A	16A	12A	12A	14A	0.5A	2A
				Min Load	1A	0A	1A	1A	1A	0A	0A

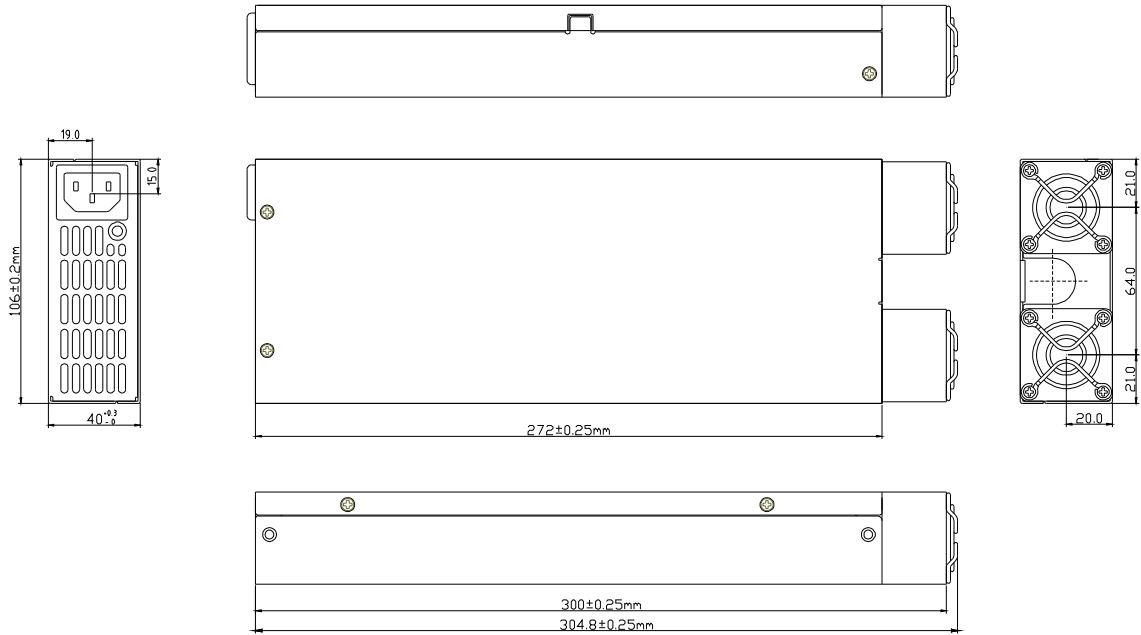
- Note: 1. The +12V1 , +12V2 & +12V3 combine output currents maximum are 35A
 2. The +5 & +3.3 Volt combine total output shall not exceed 90W
 3. The +5, +3.3 and +12 Volt combine total output shall not exceed 484W

4: Noise bandwidth is from DC to 20 MHz.

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Dimensions (Unit: mm):



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