

ENH-0620

• 200W



Features

- EPS1U Rev.2.1 compliant
- Universal AC Input Voltage Auto-Sensing
- Active PFC (Power Factor Correction)
- Remote On/Off Sensing
- Power good TTL Signal
- Short circuit, Over Current & Voltage Protection
- High Efficiency
- IAPC, Wake-On-LAN Technology Ready
- Auto-Sensing Thermal Control
- Low Acoustic Noise

Apply For

- All Intel Processors up to P4
- All AMD Processors up to Athlon



Electrical Specifications

- Input Voltage 100 ~ 127 VAC
200 ~ 240 VAC
Auto Sensing
- Frequency 50 ~ 60 Hz
- Input current 4.0 Arms @ 115 VAC
2.0 Arms @ 230 VAC
- Holdup Time > 14 ms @ Full Load

Environmental Specifications

- Operating/Storage Temp. 10~50°C/-20~60°C
- Operating/Storage Humidity 85% / 95%
- Operating/Storage Altitude 10,000/50,000 FT
- MTBF 100,000 HRS
- Safety Approvals UL/CUL, CB, TUV
- EMC Regulations FCC, CE

EPS1U

Output Specifications

Voltage	Regulation Load	Minimum Load	Maximum Load	Peak
+3.3V	+/-5%	1.0A	14.0A	--
+5.0V	+/- 5%	3.0A	21.0A	22.0A
+12.0V	+/- 5%	1.0A	10.0A	--
-12.0V	+/- 10%	0A	1.0A	--
-5.0V	+/- 5%	0A	0.5A	--
+5 Vsb	+/- 5%	0A	3.0A	--

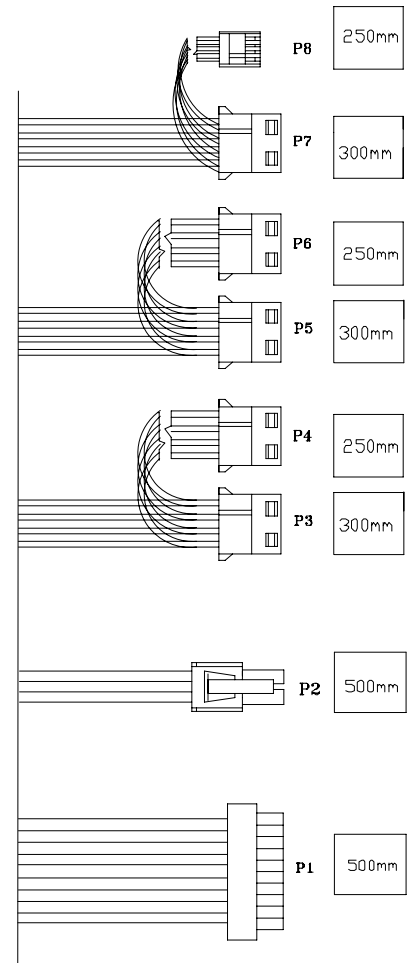
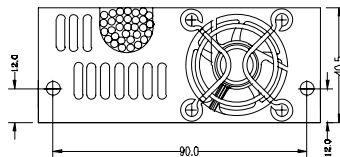
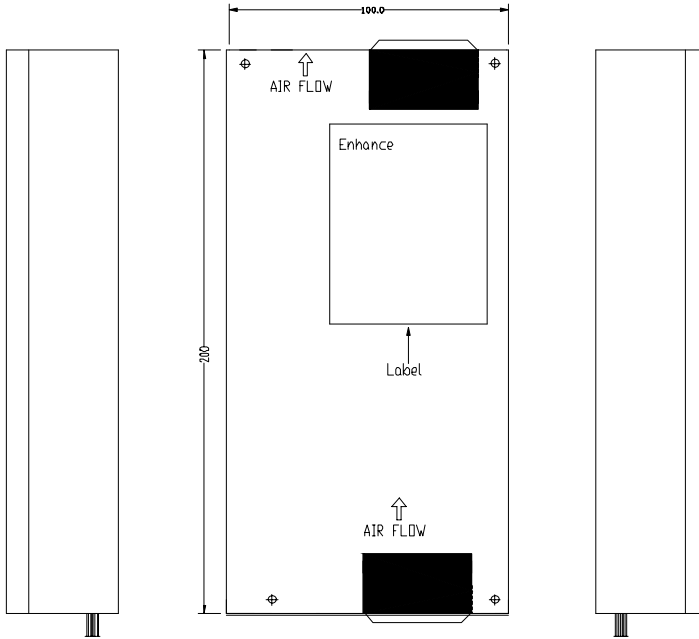
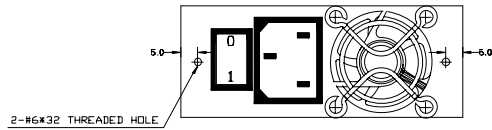
(*) Total maximum combines load output on +3.3V and +5V rails should not exceed 130 Watts.

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Mechanical Drawing

EPS1U



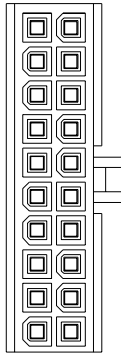
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Wire Harness

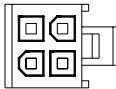
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Description

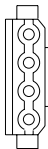
P1 - Main Power



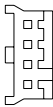
P2 – 4 Pin Processor Power



P3 to P5 – Peripheral



P6 – Floppy



Connector Housing

Molex 39-01-2200 or Equivalent

1	Orange	+3.3V	11	Orange	+3.3V
2	Orange	+3.3V	12	Blue	-12VDC
3	Black	GND	13	Black	GND
4	Red	+5V	14	Green	PS_ON
5	Black	GND	15	Black	GND
6	Red	+5V	16	Black	GND
7	Black	GND	17	Black	GND
8	Gray	PWR OK	18	White	-5V
9	Purple	5 VSB	19	Red	+5V
10	Yellow	+12V	20	Red	+5V

Molex 39-01-2040 or Equivalent

1	Black	GND	3	Yellow	+12V
2	Black	GND	4	Yellow	+12V

Molex 8981-04P or Equivalent

1	Yellow	+12V
2	Black	GND
3	Black	GND
4	Red	+5V

AMP 171822-4 or Equivalent

1	Red	+5V
2	Black	GND
3	Black	GND
4	Yellow	+12V

Dimension (WxLxH)

- 100 x 200 x 40.5 (mm)
- 3.93 x 7.87 x 1.59 (inch)

Cooling Fan

- 12V DC, 40mm x 2

Notes

- Specification and Wire Harness configuration are subject to change without notice.
- All new processors support will be updated once official announced by vendors
- All company logo and legal name belong to original company. All copyright reserved by Enhance Electronics.
- One-Year Standard Warranty
- Last Update: 5/11/2005

EPS1U