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 Run Reliably
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ENH-0840A-G

EPS1U



Features



Electrical Specifications

- Input Voltage 90 ~ 265 VAC Auto Sensing
- Frequency 47 ~ 63 Hz
- Input current 5.5 Arms @ 115 VAC
2.5 Arms @ 230 VAC
- Holdup Time > 14 ms @ Full Load

Output Specifications

Voltage	Regulation Load	Minimum Load	Maximum Load	Peak
+3.3V	+/-5%	0.5A	20.0A	--
+5.0V	+/- 5%	0.5A	20.0A	--
+12.0V1	+/- 5%	0.2A	18.0A	--
+12.0V2	+/- 5%	0.5A	18.0A	--
-12.0V	+/- 10%	0A	0.5A	--
+5 Vsb	+/- 5%	0.1A	3.0A	--

(*) Total maximum combines load output on +3.3V and +5V rails should not exceed 150 Watts.

Application Reference

- 1U Rack-Mount Server Appliance



- Industrial Panel PC, Kiosk



Environmental Specifications

- Operating/Storage Temp. 0~50°C/-20~70°C
- Operating/Storage Humidity 85% / 95%
- Operating/Storage Altitude 10,000/50,000 FT
- MTBF 100,000 HRS
- Safety Compliant UL/CUL, CB, TUV
- EMC Regulations FCC, CE



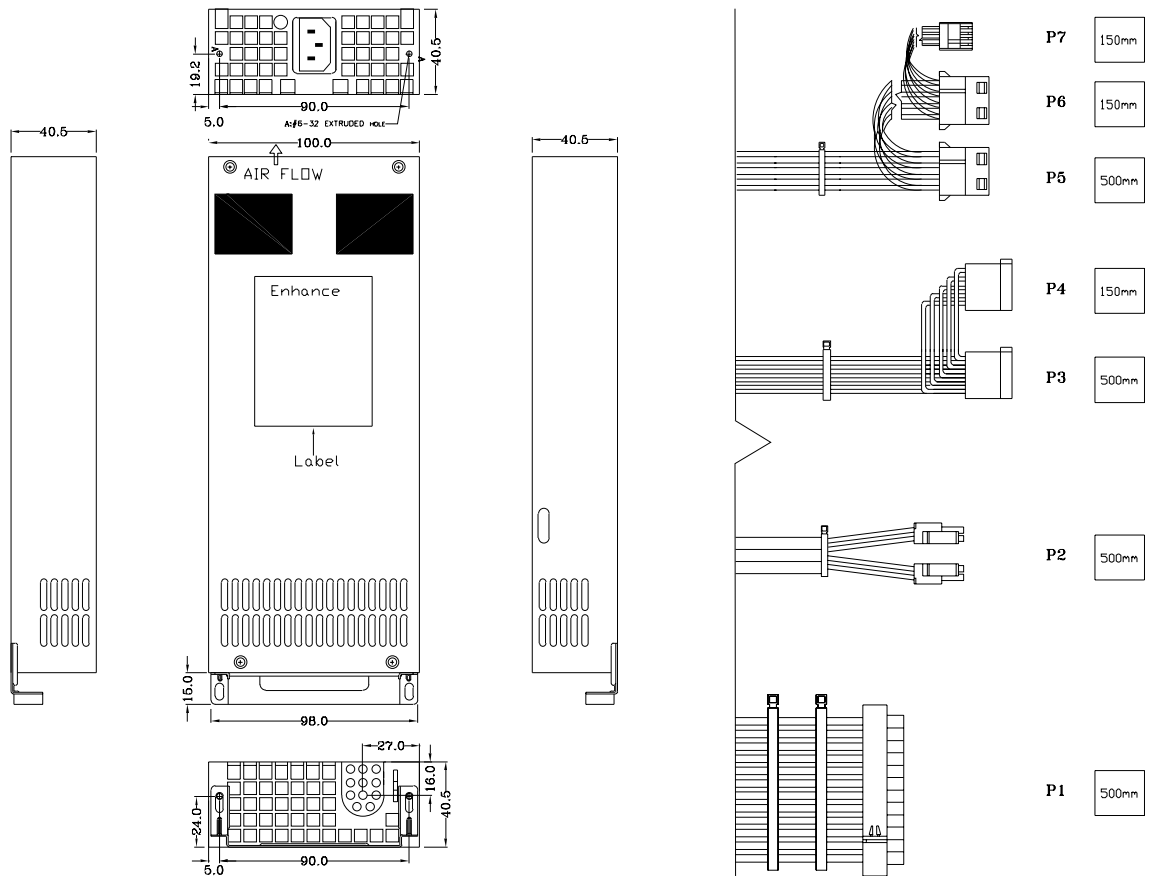
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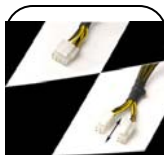
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Mechanical Drawing



Main power
 (20|4,24 pin)
 - P1



Aux12V
 (4|4, 8 pin)
 - P2



SATA
 - P3~P4



IDE Drive
 - P5 & P6



FDD Drive
 - P7



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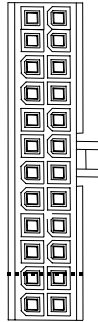


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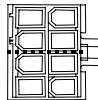
Wire Harness

Description

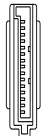
P1 - Main Power



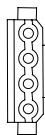
P2 - 8 Pin CPU-VR Power Connector



P3 & P4 - Serial ATA



P5 & P6 - Peripheral



P7 - Floppy



Connector Housing

Molex 39-01-2240 or Equivalent (20+4 Split)

1	Orange	+3.3V	13	Orange	+3.3V
2	Orange	+3.3V	14	Blue	-12VDC
3	Black	GND	15	Black	GND
4	Red	+5V	16	Green	PS_ON
5	Black	GND	17	Black	GND
6	Red	+5V	18	Black	GND
7	Black	GND	19	Black	GND
8	Gray	PWR OK	20	NC	Reserved
9	Purple	5 VSB	21	Red	+5V
10	Yellow	+12V1	22	Red	+5V
11	Yellow	+12V1	23	Red	+5V
12	Orange	+3.3V	24	Black	GND

Molex 39-01-2080 or Equivalent (4+4 Split)

1	Black	GND	5	Yellow	+12V1
2	Black	GND	6	Yellow	+12V1
3	Black	GND	7	Yellow /Black	+12V2
4	Black	GND	8	Yellow /Black	+12V2

Molex 88751 or Equivalent

1	Yellow	+12V1
2	Black	GND
3	Red	+5V
4	Black	GND
5	Orange	+3.3V

Molex 8981-04P or Equivalent

1	Yellow	+12V1
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	+12V1

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Dimension (WxLxH)

- 100 x 245 x 40.5 (mm)
- 3.93 x 9.65 x 1.59 (inch)

Cooling Fan

- 12V DC, 40mm x 2

Notes

- Specification 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.
- Last Update: 6/20/2006