

ENS-0748A-FCG

Apply For

- 2U Rack Mount Server



Features



Electrical Specifications

- Input Voltage 115 ~ 230 VAC
Auto Sensing
- Frequency 47 ~ 63 Hz
- Input current 7.0 Arms @ 115 VAC
4.0 Arms @ 230 VAC
- Holdup Time > 16 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 CB, TUV, UL/cUL
- EMC Regulations FCC, CE

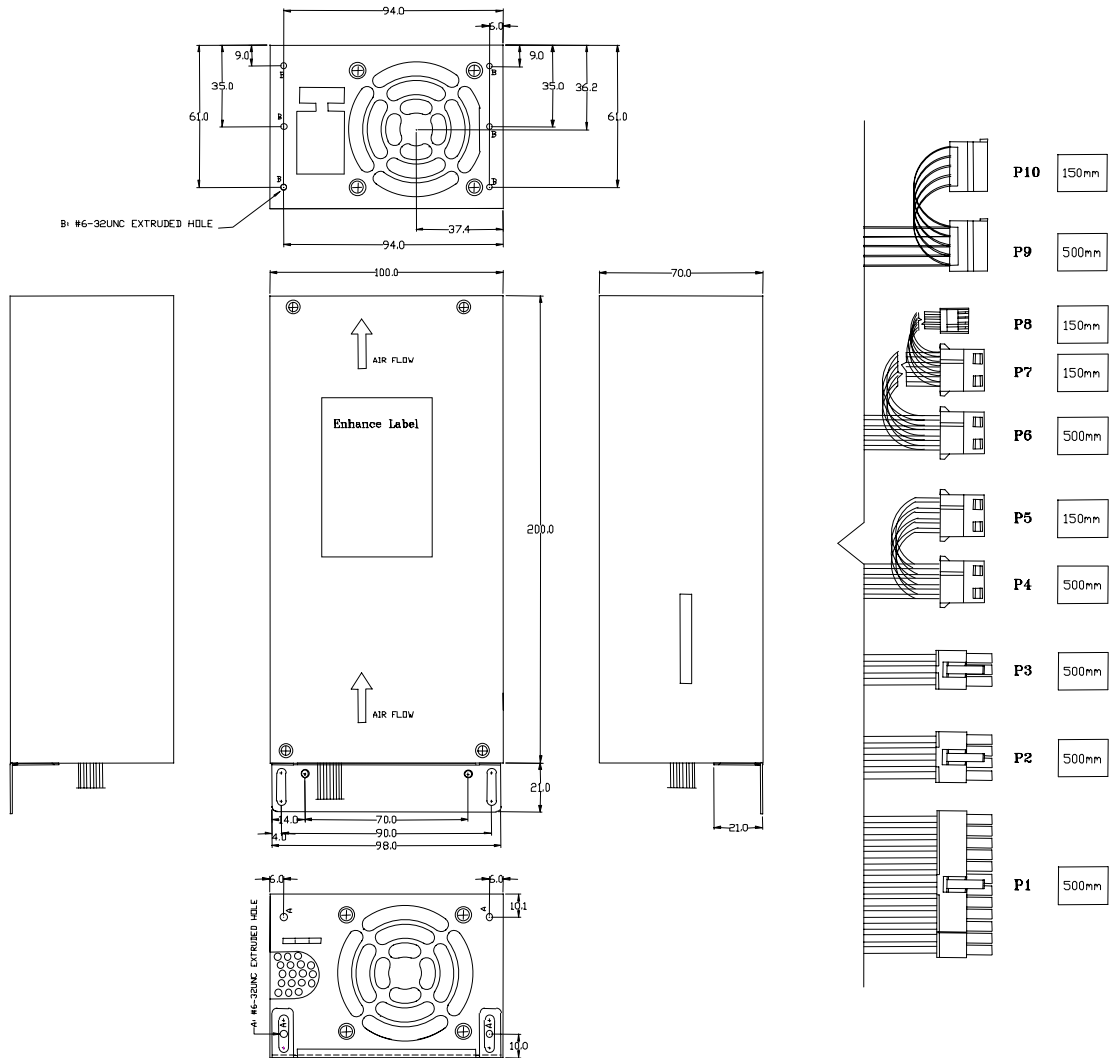
Output Specifications

Voltage	Regulation Load	Minimum Load	Maximum Load	Peak
+3.3V	+/- 5%	0.5A	22.0A	--
+5.0V	+/- 5%	7.0A	20.0A	--
+12.0V1	+/- 5%	2.0A	15.0A	18.0A
+12.0V2	+/- 5%	2.0A	15.0A	18.0A
-12.0V	+/- 10%	0A	0.5A	--
-5.0V	+/- 5%	0A	1.0A	--
+5 Vsb	+/- 5%	0.1A	2.0A	--

(* Total maximum combines load output on +3.3V and +5V rails is 150 Watts.

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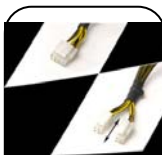
Mechanical Drawing



EPS2U



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



Aux12V
(4|4, 8 pin)
- P2



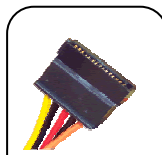
PCIE
(6 pin) - P3



IDE Drive
- P4 ~ P7



FDD Drive
- P8



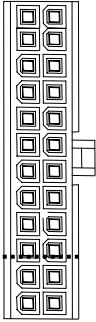
SATA Drive
- P9 ~ P10

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Wire Harness Pin Assignment

Description

P1 - Main Power

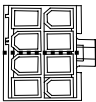


Connector Housing

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	+12V2	22	Red	+5V
11	Yellow	+12V2	23	Red	+5V
12	Orange	+3.3V	24	Black	GND

P2 – 8 Pin CPU-VR Power Connector



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

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

P3 – PCI-Express Power Connector



Molex 45559-0002 or Equivalent

1	Yellow	+12V2	4	Black	GND
2	Yellow	+12V2	5	Black	GND
3	Yellow	+12V2	6	Black	GND

P4 to P7 – Peripheral



Molex 8981-04P or Equivalent

1	Yellow	+12V2
2	Black	GND
3	Black	GND
4	Red	+5V

P8 – Floppy



AMP 171822-4 or Equivalent

1	Red	+5V
2	Black	GND
3	Black	GND
4	Yellow	+12V2

P9 & P10 – Serial ATA



Molex 88751 or Equivalent

1	Yellow	+12V2
2	Black	GND
3	Red	+5V
4	Black	GND
5	Orange	+3.3V

EPS2U

Dimension (WxLxH)

- 100 x 200 x 70 (mm)
- 3.93 x 7.9 x 2.76 (inch)

Cooling Fan

- 12V DC, 60mm x 2

Notes

- Specification subject to change without notice. All new processors support will be updated once official announced by vendors
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- Last Update: 9/11/2009