

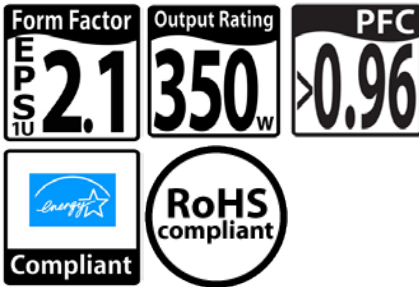


# ENH-0635A-G

## EPS1U



### Features



### Application Reference

- 1U Rack-Mount Server Appliance



- Industrial Panel PC, Kiosk



### Electrical Specifications

- Input Voltage 115 ~ 230 VAC Auto Sensing
- Frequency 50 ~ 60 Hz
- Input current 5.0 Arms @ 115 VAC  
2.5 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

### Output Specifications

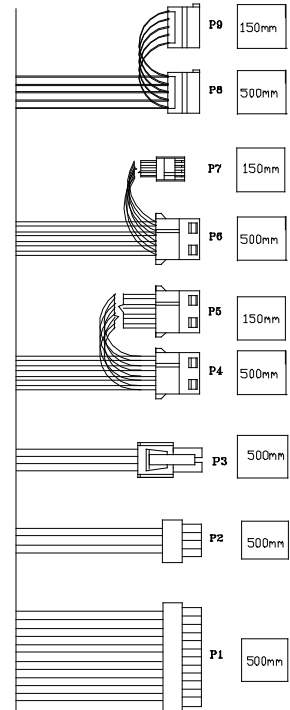
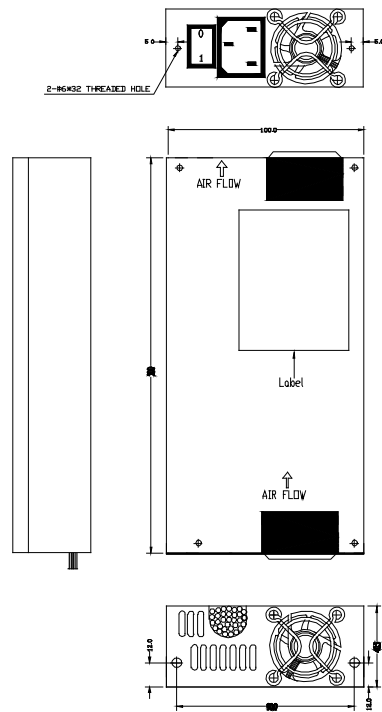
Voltage	Regulation Load	Minimum Load	Maximum Load	Peak
+3.3V	+5%	1.5A	20.0A	--
+5.0V	+/- 5%	1.0A	20.0A	--
+12.0V1	+/- 5%	1.5A	16.0A	--
+12.0V2	+/- 5%	1.5A	12.0A	--
-12.0V	+/- 10%	0A	1.0A	--
+5 Vsb	+/- 5%	0.1A	2.0A	--

(\*) Total maximum combines load output on +12V1 and +12V2 rails should not exceed 216 Watts.



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## Mechanical Drawing



# EPS1U



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



Aux 12V (8 pin-  
4|4)  
- P2



IDE Drive  
- P4 - P6



FDD Drive  
- P7



SATA  
- P8, P9

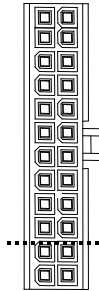


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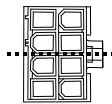
## Wire Harness

### Description

P1 - Main Power



P2 - AUX12V



P4 to P6 - Peripheral



P7 - Floppy



P8 & P9 - SATA



### Connector Housing

Molex 39-01-2240 or Equivalent

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

Molex 39-01-2080 or Equivalent

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

Molex 8981-04P or Equivalent

1	Yellow	+12V2
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	+12V2

Molex 88751 or Equivalent

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

### 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
- Last Update: 9/30/2009

EPS11U