

# EPS-1280GA4

EPS12V



## Application Reference

- Pedestal Server/Workstation, Gaming PC



## Features



## Electrical Specifications

- Input Voltage 90 ~ 264 VAC  
Auto Voltage Sensing
- Frequency 47 ~ 63 Hz
- Input current 10 Arms @ 100 VAC  
5 Arms @ 240 VAC
- Holdup Time > 17 ms @ 75% Load

## Environmental Specifications

- Operating/Storage Temp. 0~40°C/-20~60°C
- Operating/Storage Humidity 85% / 95%
- Operating/Storage Altitude 10,000/50,000 FT
- MTBF 100,000 HRS
- Safety Approvals cUL, TUV, CB
- EMC Regulations FCC, CE

## Output Specifications

Voltage	Regulation Load	Minimum Load	Maximum Load	Peak
+3.3V	+/- 3%	0.0A	20.0A	--
+5.0V	+/- 3%	0.5A	25.0A	--
+12.0V1	+/- 3%	0.1A	25.0A	26.0A
+12.0V2	+/- 3%	0A	20.0A	22.0A
+12.0V3	+/- 3%	0A	28.0A	28.0A
+12.0V4	+/- 3%	0A	28.0A	28.0A
-12.0V	+/- 10%	0A	0.3A	--
+5 Vsb	+/- 5%	0.1A	3.5A	--

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

(\*\*) The maximum total combined output current on 12V rail is 65A at Nominal and 68A at Peak Load.

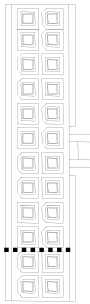


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## Wire Harness

### Description

P1 - Main Power



P2 – 8 Pin CPU-VR Power Connector



P3, P5 – PCI-Exp 6|2 Pin Power Connector



P4, P6 – PCI-Exp 6 Pin Power Connector



P7 – P12– Peripheral



P13 – Floppy



P14- P19 – SATA



### Connector Housing

Molex 44476-1111 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	N/E	Reserved
9	Purple	5 VSB	21	Red	+5V
10	Yellow/Black	+12V1	22	Red	+5V
11	Yellow/Black	+12V1	23	Red	+5V
12	Orange	+3.3V	24	Black	GND

Molex 44476-1111 or equivalent (4|4 Split)

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

Molex 45559-0002 or equivalent (6|2 Split)

1	Yellow*	+12V3, +12V4	5	Black	GND
2	Yellow*	+12V3, +12V4	6	Black	GND
3	Yellow*	+12V3, +12V4	7	Black	GND
4	Black	GND	8	Black	GND

Molex 45559-0002 or equivalent

1	Yellow*	+12V3, +12V4	4	Black	GND
2	Yellow*	+12V3, +12V4	5	Black	GND
3	Yellow*	+12V3, +12V4	6	Black	GND

\*Yellow/Blue Stripe: +12V3, Yellow/Green stripe: +12V4

Molex 8981-04P of Equivalent

1	Yellow/Black	+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/Black	+12V1

Molex 88751 or Equivalent

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

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## Dimension (WxLxH)

- 150 x 140 x 86 (mm)
- 5.9 x 5.5 x 3.38 (inch)

## Cooling Fan

- 12V DC, 120mm

## Notes

- Pictures, drawing and 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.
- One-Year Standard Warranty
- Last Update: 1/27/2010