



Run Cool
 Run Reliably
 Run With 80 PLUS
 www.80PLUS.org

ENP-5150GH

Application Reference

- Pedestal Tower/Rack Mount Server/Workstation



Environmental Specifications

- Protection OCP/OPP/OVP
OTP/SCP
- Operating/Storage Temp. 5~50°C/-40~70°C
- Operating/Storage Humidity 20~85%/5~95%
- Operating/Storage Altitude 3,000/15,000 FT
- MTBF 100,000 HRS
- Safety Approvals UL/CUL, CB, TUV
- EMC Regulations FCC, CE

Electrical Specifications

- Input Voltage 100 ~ 240 VAC
Auto-Sensing
- Frequency 47 ~ 63 Hz
- Input current 10 Arms @ 115 VAC
5 Arms @ 230 VAC
- Hold-up Time 17ms in regulation
ranges

Output Specifications

Voltage	Regulation Load	Minimum Load	Maximum Load	Peak
+3.3V	+/- 5%	0A	25.0A	--
+5.0V	+/- 5%	0A	20.0A	--
+12.0V1	+/- 5%	1.0A	18.0A	19.0A
+12.0V2	+/- 5%	1.0A	18.0A	19.0A
-12.0V	+/- 10%	0A	0.5A	--
+5 Vsb	+/- 5%	0A	3.0A	3.5A

(*) Total maximum combines load output on +3.3V and +5V rail shall not exceed 150 Watts

EPS/ATX12V



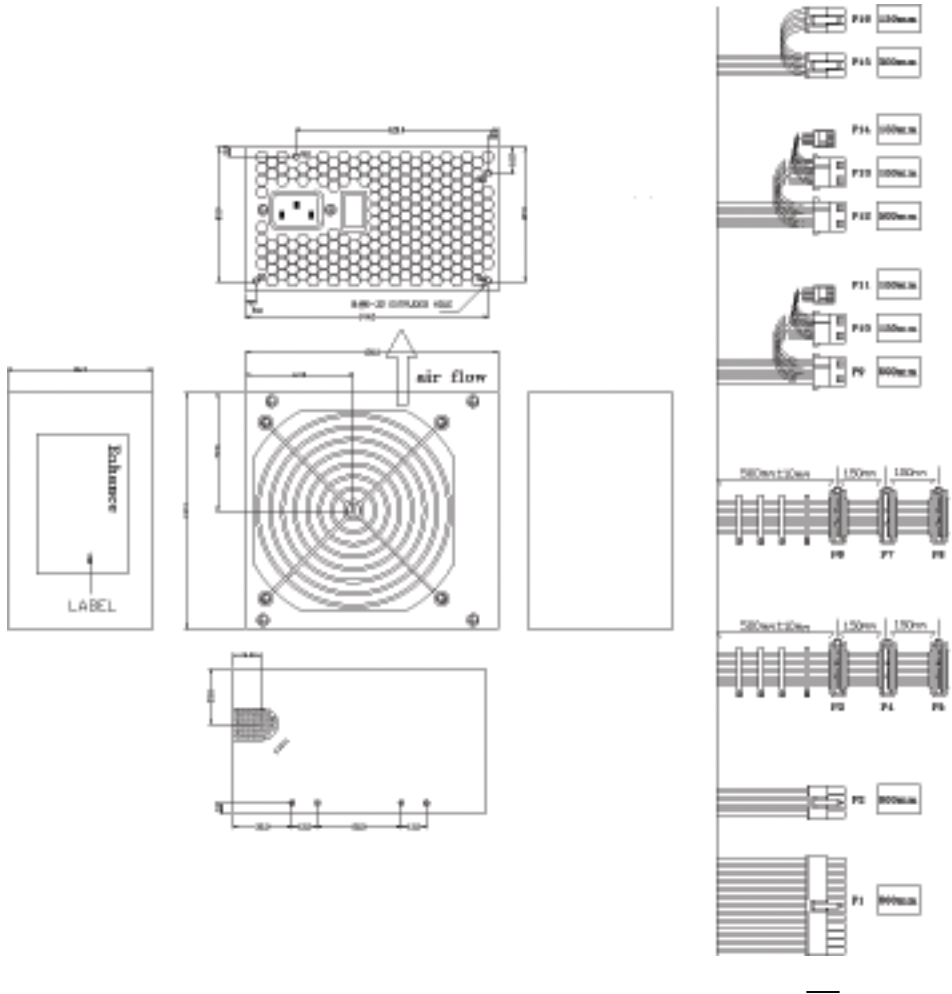
Run Cool
 Run Reliably
 Run With 80 PLUS

www.80PLUS.org



Mechanical Drawing

EPS/ATX12V





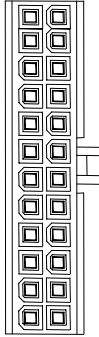
Run Cool
 Run Reliably
 Run With 80 PLUS
 www.80PLUS.org



Wire Harness

Description

P1 - Main Power



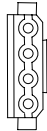
P2 – 8 Pin CPU-VR Power Connector



P15, 16 – Power Connector for high wattage PCI-Express VGA



P9, 10, 12, 13 – Peripheral



P11, 14 – Floppy



P3, 4, 5 – SATA-1
 P6, 7, 8 – SATA-2



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	N/E	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

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 45559-0002 or Equivalent

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

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

Molex 88751 or Equivalent
 SATA-1

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

SATA-2

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

EPS/ATX12V

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: 1/26/2007