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# ENP-5140GH

ATX12V



## Application Reference

- Performance Desktop PC



Form Factor  
**ATX 12V 2.3**

Output Rating  
**400W**

PFC  
**>0.96**



## Electrical Specifications

- Input Voltage 100 - 240 VAC (-/+10%)  
Auto Switching
- Frequency 47 ~ 63 Hz
- Input current 8 Arms @ 100 VAC  
4 Arms @ 240 VAC
- Hold-up Time 17ms in regulation ranges

## 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

## Output Specifications

Voltage	Regulation Load	Minimum Load	Maximum Load	Peak
+3.3V	+/-5%	0A	20.0A	--
+5.0V	+/- 5%	0A	14.0A	--
+12.0V1	+/- 5%	1.0A	16.0A	--
+12.0V2	+/- 5%	1.0A	18.0A	19.0A
-12.0V	+/- 10%	0A	0.3A	--
+5 Vsb	+/- 5%	0A	3.0A	3.5A

(\*) Total maximum combines load output on +3.3V and +5V rail shall not exceed 130 Watts

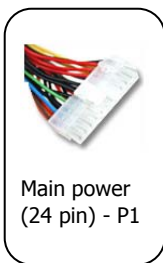
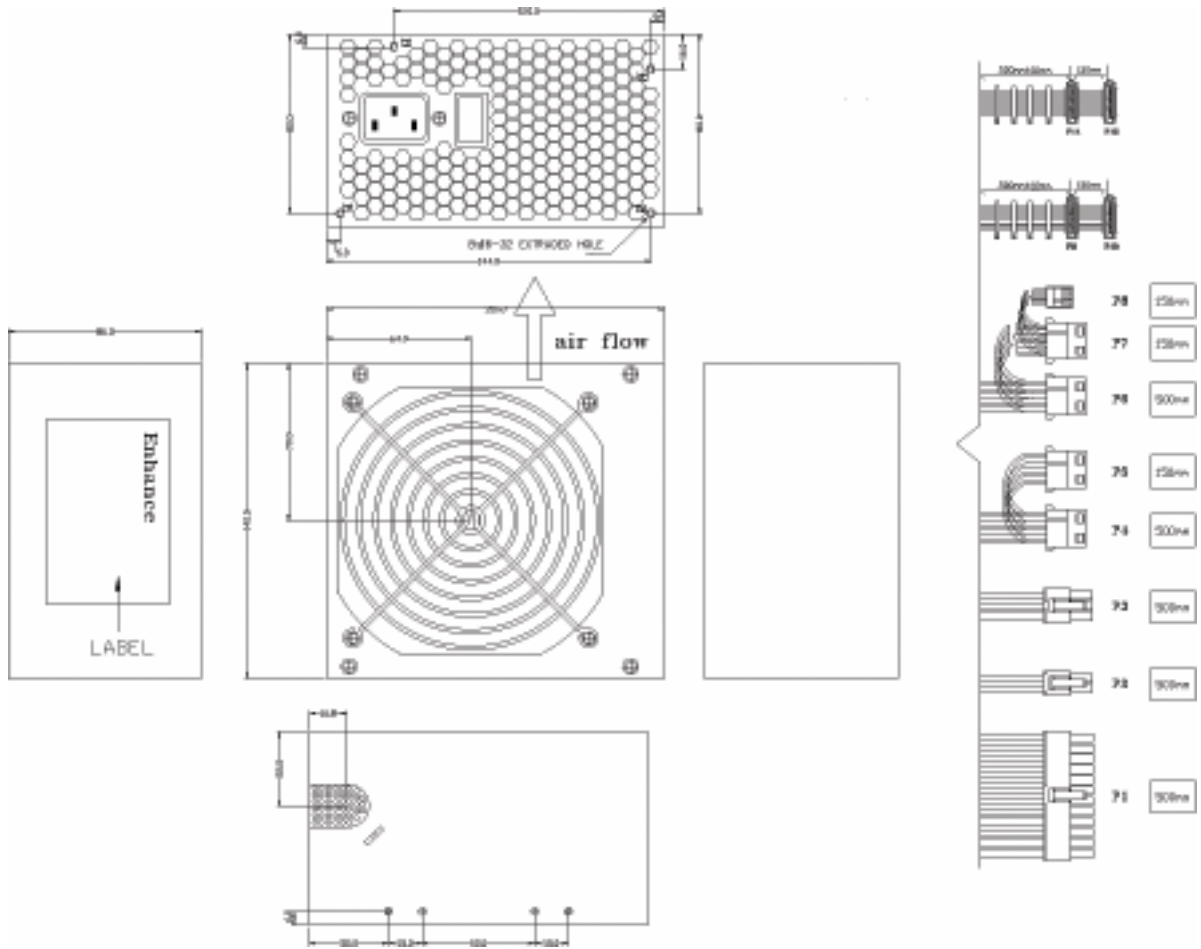


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Mechanical Drawing

ATX12V





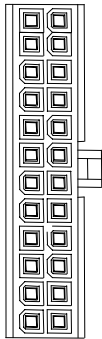
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## Wire Harness

### Description

P1 - Main Power

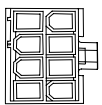


### Connector Housing

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	+12V1	22	Red	+5V
11	Yellow	+12V1	23	Red	+5V
12	Orange	+3.3V	24	Black	GND

P2 – 8 Pin CPU-VR Power Connector



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

P3– PCI-Express Power Connector



Molex 45559-0002 or Equivalent

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

P4 to P7 – Peripheral



Molex 8981-04P or Equivalent

1	Yellow	+12V1
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	+12V1

P9 to P12 – Serial ATA



Molex 88751 or Equivalent

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

### Dimension (WxLxH)

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

### Cooling Fan

- 12V DC, 120mm

### 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.
- One-Year Standard Warranty
- Last Update: 12/4/2008

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