

ENS-0246B_3

• 460W, PFC



Features

- EPS12V and ATX12V Rev. 2.2 Compliant
- ATX12V backward compatible
- C1 main power convetor to support ATXGES (optional)
- High Efficiency, Active PFC, Auto Voltage Sensing
- Low Acoustic Noise by auto fan speed control
- Remote On/Off, Power good TTL signal
- Short circuit, Over Current & Voltage Protection
- IAPC, Wake-On LAN Technology Ready
- PCI-Express and SATA power connector built-in

Apply For

- All Intel Processors up to DP-Xeon
- AMD Processors up to DP-Opteron



Electrical Specifications

- Input Voltage 115 ~ 230 VAC
Auto Voltage Sensing
- Frequency 50 ~ 60 Hz
- Input current 10 Arms @ 115 VAC
5.0 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%, -3%	0.3A	30.0A	--
+5.0V	+/- 5%	3.0A	25.0A	--
+12.0V1	+/- 5%	2.0A	15.0A	18.0A
+12.0V2	+/- 5%	2.0A	16.0A	18.0A
-12.0V	+/- 10%	0A	1.0A	--
+5 Vsb	+/- 5%	0A	2.0A	--

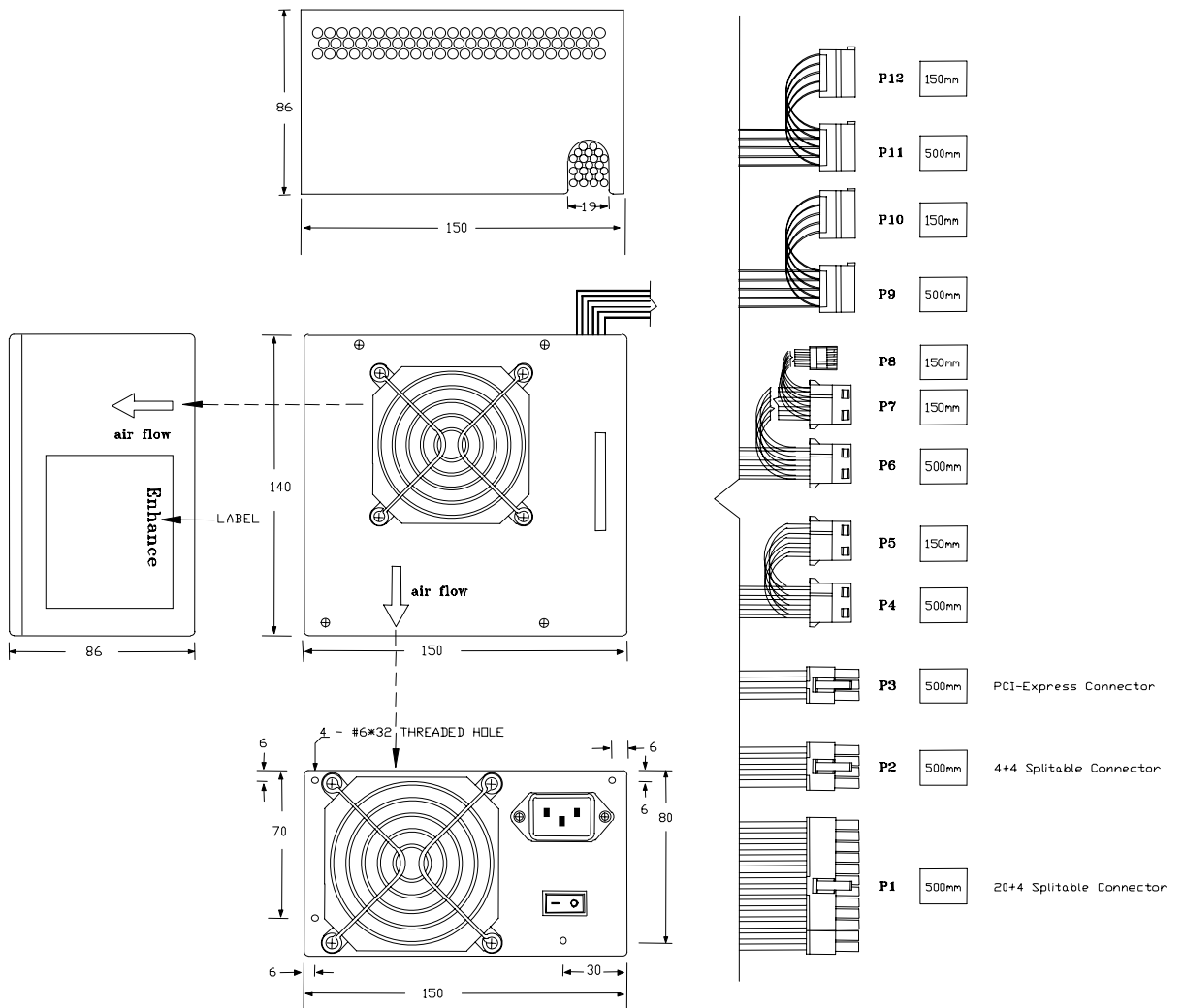
(*) Total maximum combines load output on +3.3V and +5V rails should not exceed 200 Watts.

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Mechanical Drawing

EPS/ATX12V



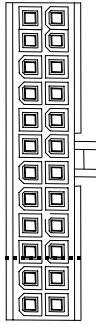
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Wire Harness

Description

P1 - Main Power

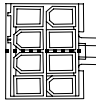


Connector Housing

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

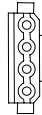
P3 – PCI-Express Power Connector



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

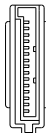
P8 – Floppy



AMP 171822-4 or Equivalent

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

P9 to P12 – Serial ATA



Molex 88751 or Equivalent

1	Yellow	+12V2
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, 80mm

Notes

- The main power connector comes with standard EPS12V pin assignment. Use C1 converter for Tyan S2462 (ATXGES) and C2 for S2603
- 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: 10/14/2005

EPS/ATX12V