

ENP-2224B_2G



Features

Form Factor 	Output Rating 	

Electrical Specifications

- Input Voltage 100 ~ 127 VAC
200 ~ 240 VAC
Manual Select
- Frequency 50 ~ 60 Hz
- Input current 5.0 Arms @ 115 VAC
3.0 Arms @ 230 VAC
- Holdup Time > 14 ms @ Full Load

Output Specifications

Voltage	Regulation Load	Minimum Load	Maximum Load	Peak
+3.3V	+/- 5%	0.5A	18.0A	--
+5.0V	+/- 5%	0.3A	19.0A	--
+12.0V	+/- 5%	1.0A	16.0A	18.0A
-12.0V	+/- 10%	0A	0.3A	--
+5 Vsb	+/- 5%	0A	2.0A	2.5A

(* Total maximum combines load output on +3.3V and +5V rails is 105 Watts.

Application Reference

- Slim Desktop PC



- Industrial Panel PC, Kiosk



Environmental Specifications

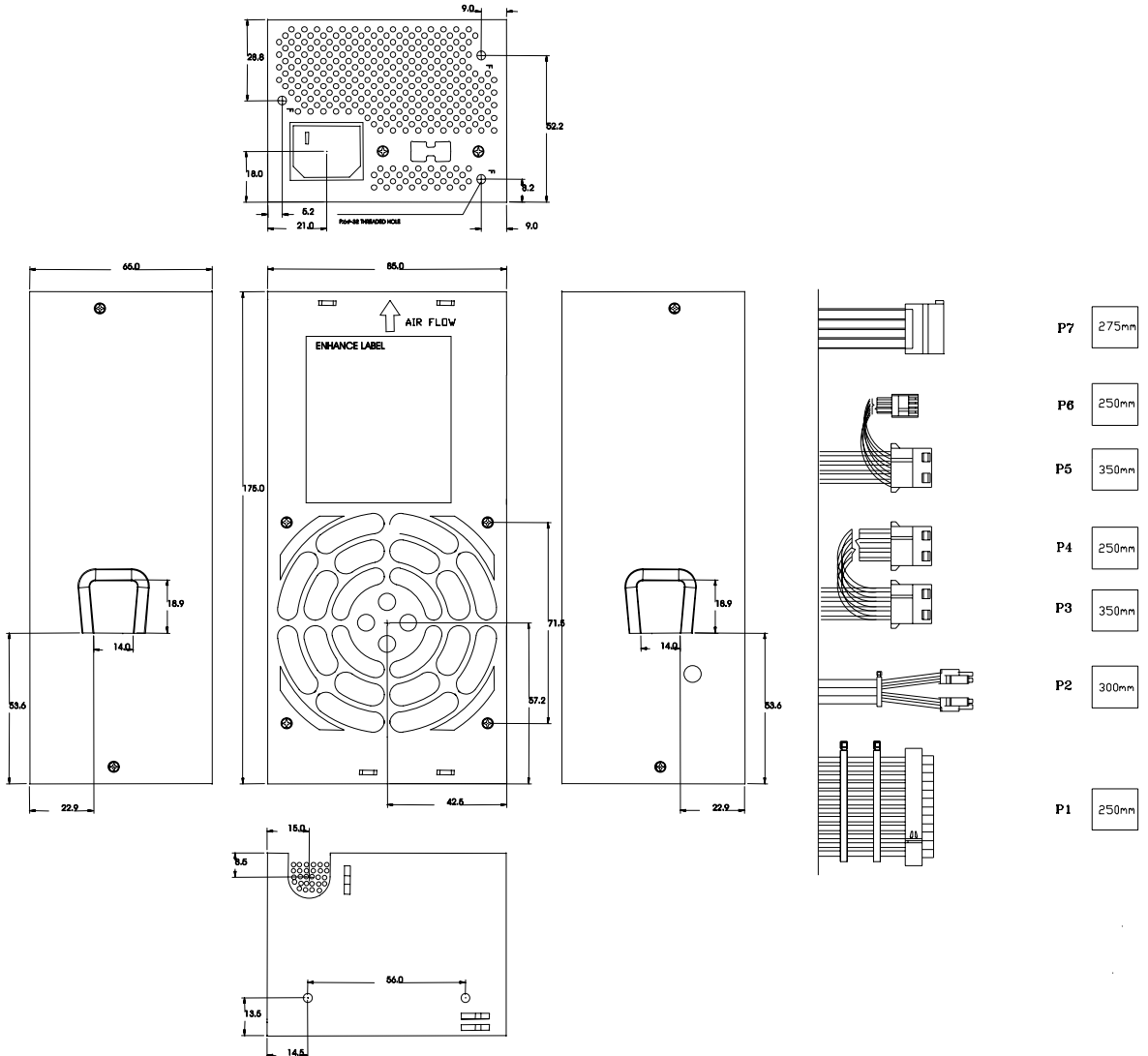
- Operating/Storage Temp. 10~50°C/-20~70°C
- Operating/Storage Humidity 85% / 95%
- Operating/Storage Altitude 10,000/50,000 FT
- MTBF 100,000 HRS
- Safety Approvals UL/CUL, CB, TUV
- EMC Regulations FCC, CE

TFX12V

ENP-2224B_2G

Mechanical Drawing

TFX12V

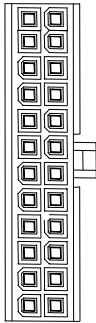


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Wire Harness

Description

P1 - Main Power

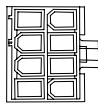


Connector Housing

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

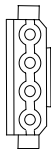
P2 – 8 Pin CPU-VR Power Connector



Molex 39-01-2080 or Equivalent

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

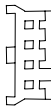
P3 to P5 – Peripheral



Molex 8981-04P or Equivalent

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

P6 – Floppy



AMP 171822-4 or Equivalent

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

P7 – Serial ATA



Molex 88751 or Equivalent

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

TFX12V

Dimension (WxLxH)

- 64 x 176 x 84 (mm)
- 2.56 x 6.98 x 3.375 (inch)

Cooling Fan

- 12V DC, 80mm

Notes

•Specification subject to change without notice. All new processors support will be updated once official announced by vendors

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•One-Year Standard Warranty

•Last Update: 2/27/2007