

## FLEX-ATX

# ENP-2322B 220W

## Features

- FLEX-ATX / TFX12V Compliant
- Remote on/off
- Protection
- Short Circuit
- Over Voltage Protection
- Over Power Protection
- FCC / CE EMC Approved
- UL / cUL, CB, TUV Safety Pending
- High efficiency
- Active PFC
- Full Range
- High Output Current for +5Vsb
- Fan Speed Thermal Control



Dimension ( L x W x H ) : 150 x 81.5 x 40.5 mm

## SPECIFICATION

### Output Specification

Voltage	Regulation	Minimum Load	Maximum Load	Peak Load
+3.3V	+ /- 5%	0.5A	17A	--
+5V	+ /- 5%	0.3A	13A	--
+12V	+ /- 5%	1A	16A	17A
-12V	+ /- 10%	0A	0.3 / 0.8A	--
+5Vsb	+ /- 5%	0A	2A	2.5A

\* Optional -12V Output Maximum Load

\* 3.3V & 5V combine load 80W

## ENVIRONMENT

### Environmental Specification

- Operating / Storage Temp 0 ~ 40°C / -20 ~ 60°C
- Relative Humidity 5 ~ 95%
- Operating / Storage Altitude 10,000 / 50,000 FT
- MTBF 100,000 HRS
- EMC Regulations FCC, CE
- Safety Pending UL/CUL, CB, TUV,

### Electrical Specifications

- Input Voltage 115 -230 VAC Full Range
- Frequency 47 ~ 63 Hz
- Input Current 4A @ 115VAC  
2A @ 230VAC
- Hold up time 16ms@ full load
- High efficiency 70% at Full Load
- Over Voltage Protection +5V Output  $\leq$  7V Max  
+3.3V Output  $\leq$  4.3V Max  
+12V Output  $\leq$  15.6V Max
- Short-Circuit Protection On each channel

### Apply for

All Intel Processors upto P4

All AMD Processors upto Athlon

Last Update : 12/09/2003

### HEADQUARTER

ENHANCE ELECTRONICS CO., LTD.  
3F-1, NO.137, LANE 235, PAO CHIAO ROAD,  
HSIN TIEN, TAIPEI, TAIWAN, R.O.C.  
TEL : +886 2 8919 2288 FAX : +886 2 8919 2277  
E-MAIL : sales@enhance.com.tw

WWW.ENHANCE.COM.TW

### KOREA OFFICE

ENHANCETECH CO., LTD.  
510 DORIM DOOSAN BEARS TOWER  
110-4, KUROS-DONG, KUROKU SEOUL, KOREA  
TEL : 02-839-2030 FAX : 02-839-6262  
E-MAIL : enhance@enhance.co.kr

WWW.ENHANCE.CO.KR

### USA OFFICE

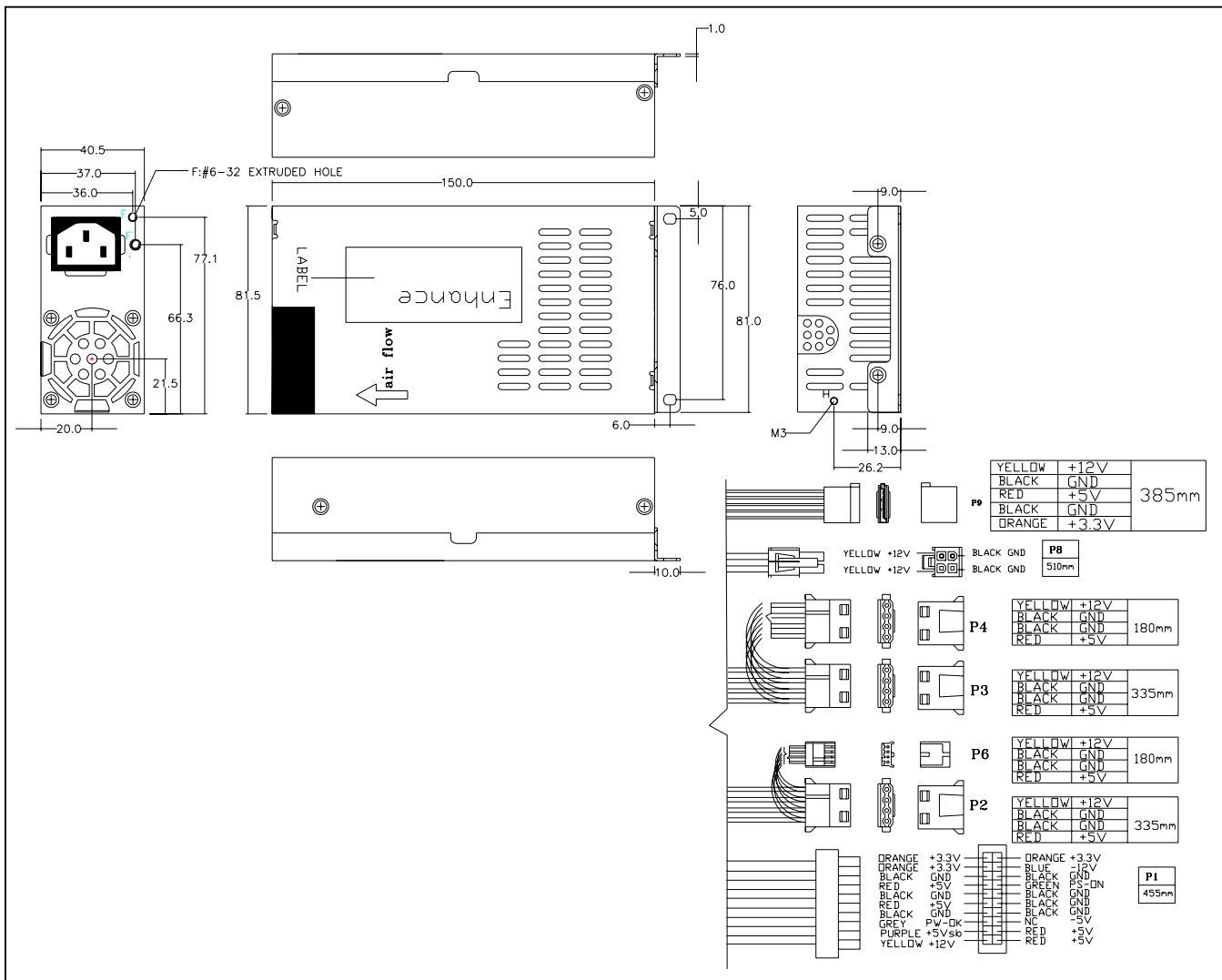
ENHANCE ELECTRONICS  
13100 ALONDRA BLVD., UNIT 106,  
CERRITOS, CA 90703  
TEL : +1 562 677 1268 FAX : +1 562 677 126 9  
E-MAIL : sales@enhanceusa.com

WWW.ENHANCEUSA.COM

### EUROPE OFFICE

ENHANCE EUROPE INTERPAC B.V  
ESSEBAAN 40, 2908 LK CAPELLE  
AAN DEN IJSSEL, THE NETHERLANDS  
TEL : +31 10 284 0870 FAX : +31 10 284 0873  
E-MAIL : kathryn@interpacbv.com

WWW.ENHANCE-EUROPE.COM



**HEADQUARTER**

**ENHANCE ELECTRONICS CO., LTD.**  
 3F-1, NO.137, LANE 235, PAO CHIAO ROAD,  
 HSIN TIEN, TAIPEI, TAIWAN, R.O.C.  
 TEL : +886 2 8919 2288 FAX : +886 2 8919 2277  
 E-MAIL : sales@enhance.com.tw

[WWW.ENHANCE.COM.TW](http://WWW.ENHANCE.COM.TW)

**KOREA OFFICE**

**ENHANCETECH CO., LTD.**  
 510 DORIM DOOSAN BEARS TOWER  
 110-4, KURO5-DONG, KUROKU SEOUL, KOREA  
 TEL : 02-839-2030 FAX : 02-839-6262  
 E-MAIL : enhance@enhance.co.kr

[WWW.ENHANCE.CO.KR](http://WWW.ENHANCE.CO.KR)

**USA OFFICE**

**ENHANCE ELECTRONICS**  
 13100 ALONDRA BLVD., UNIT 106,  
 CERRITOS, CA 90703  
 TEL : +1 562 677 1268 FAX : +1 562 677 126 9  
 E-MAIL : sales@enhanceusa.com

[WWW.ENHANCEUSA.COM](http://WWW.ENHANCEUSA.COM)

**EUROPE OFFICE**

**ENHANCE EUROPE INTERPAC B.V.**  
 ESSEBAAN 40, 2908 LK CAPELLE  
 AAN DEN IJSSEL, THE NETHERLANDS  
 TEL : +31 10 284 0870 FAX : +31 10 284 0873  
 E-MAIL : kathryn@interpacbv.com

[WWW.ENHANCE-EUROPE.COM](http://WWW.ENHANCE-EUROPE.COM)