

Flex-0130B

FlexATX



Application Reference

- 1U Rack-Mount Dual-Cluster Server Appliance



- 1U Blade Server/PC



- Industrial Panel PC, Kiosk , NAS, SFF Desktop PC



Features



Electrical Specifications

- Input Voltage 100 – 240 VAC Auto Sensing
- Frequency 47 ~ 63 Hz
- Input current 6.0 Arms @ 100 VAC
3.0 Arms @ 240 VAC
- Holdup Time 16 ms @ Full Load

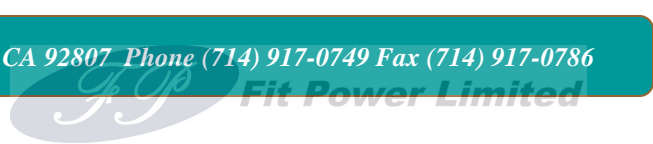
Environmental Specifications

- Protection OCP/OPP/OVP
OTP/SCP
- 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 / EMC Regulations cUL, FCC, CE

Output Specifications

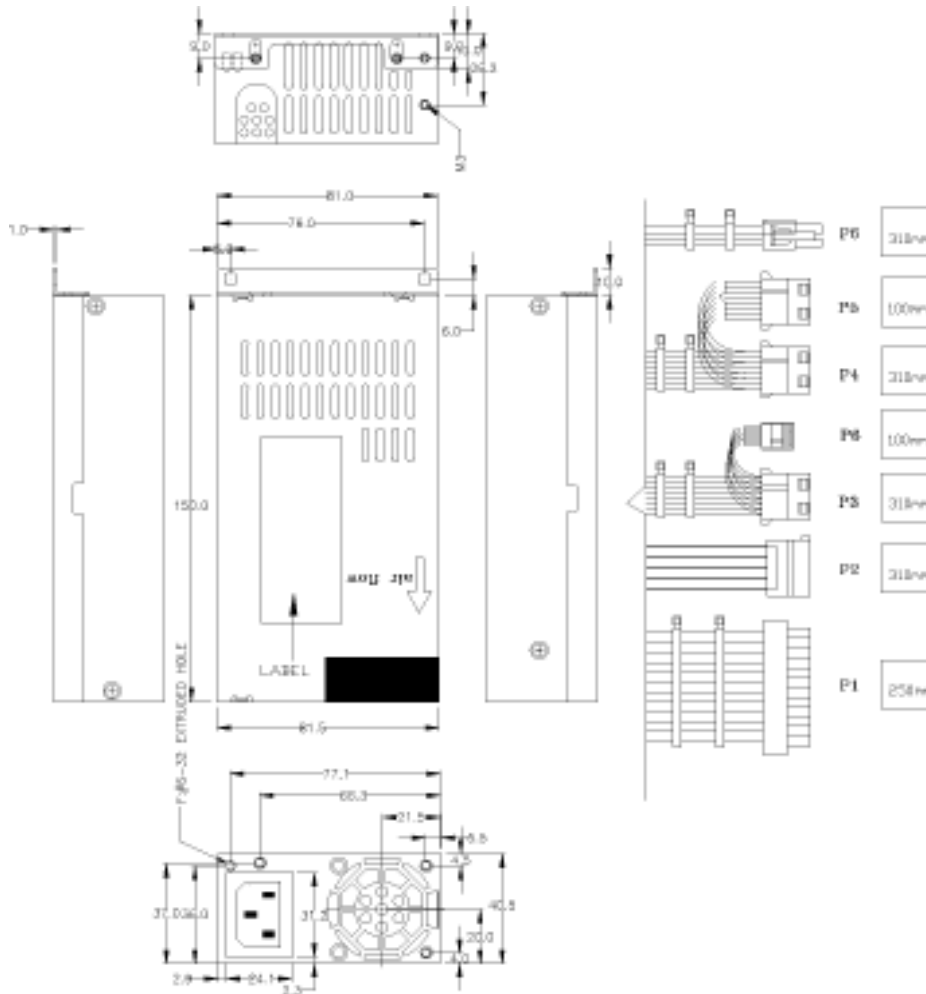
Voltage	Regulation Load	Minimum Load	Maximum Load	Peak
+3.3V	+/-5%	0.5A	22.0A	--
+5.0V	+/- 5%	0.5A	12.0A	--
+12.0V1	+/- 5%	1.0A	6.0A	7.0
+12.0V2	+/- 5%	1.0A	16.0A	19.0
-12.0V	+/- 10%	0A	0.3A	--
+5 Vsb	+/- 5%	0A	2.5A	--

(*) Total maximum combines load output on +3.3V and +5V rail shall not exceed 110 Watts



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Mechanical Drawing



FlexATX



Main power (24 pin) - P1



Aux12V(4 pin) - P6



SATA - P7



IDE Drive - P2, P4 & P5



FDD Drive - P3

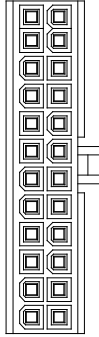


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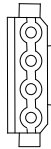
Wire Harness

Description

P1 - Main Power



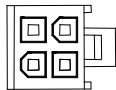
P2, P4 to P5 – Peripheral



P3 – Floppy



P6 – 4 Pin Processor Power



P7 – Serial ATA



Connector Housing

Molex 39-01-2200 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 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 39-01-2040 or Equivalent

1	Black	GND	3	Yellow	Black	+12V2
2	Black	GND	4	Yellow	Black	+12V2

Molex 88751 or Equivalent

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

Dimension (WxLxH)

- 82 x 150 x 40.5 (mm)
- 3.2 x 5.9 x 1.6 (inch)

Cooling Fan

- 12V DC, 40 x 40 x 20 mm

Notes

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