



ATX-0250GA

ATX12V



Application Reference

- Performance Desktop PC



- Media Center PC



Electrical Specifications

- Input Voltage 90 ~ 264 VAC Auto-Sensing
- Frequency 47 ~ 63 Hz
- Input current 10 Arms @ 100 VAC
5 Arms @ 240 VAC
- Hold-up Time 10ms in regulation ranges

Environmental Specifications

- Protection OCP/OPP/OVP
OTP(optional)
- Operating/Storage Temp. 0~40°C/-40~70°C
- Operating/Storage Humidity 20~85%/5~90%
- Operating/Storage Altitude 3,000/15,000 FT
- MTBF 100,000 HRS @ 25°C
- Safety Approvals UL, CB, NEMKO
- EMC Regulations FCC, CE

Output Specifications

Voltage	Cross Regulation	Minimum Load	Maximum Load	Peak
+3.3V	+/- 5%	0.1A	24.0A	--
+5.0V	+/- 5%	0.2A	20.0A	--
+12.0V1	+/- 5%	0.1A	20.0A	21.0A
+12.0V2	+/- 5%	0.5A	20.0A	21.0A
-12.0V	+/- 10%	0.0A	0.3A	--
+5 Vsb	+/- 5%	0.0A	2.5A	3.5A

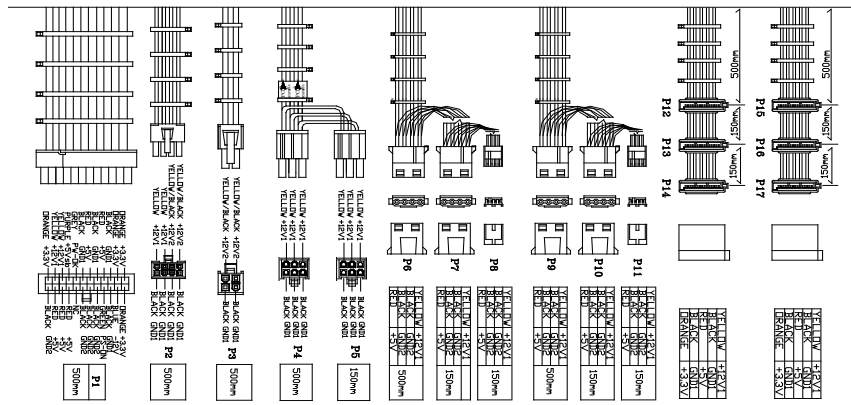
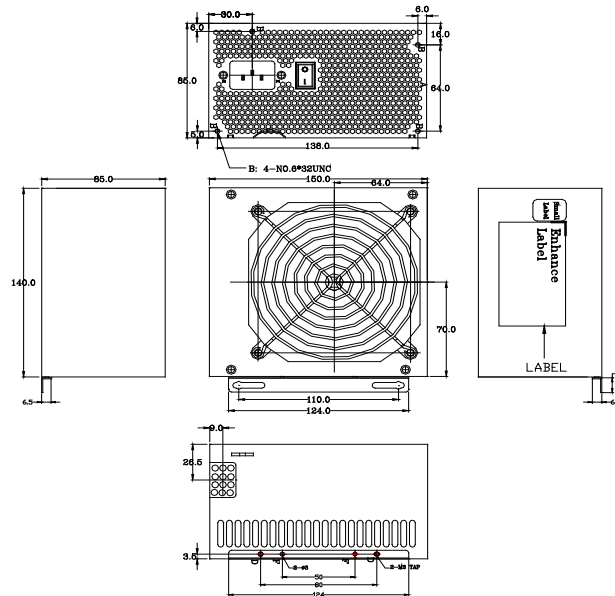
(*) The combines load output on +3.3V and +5V rail shall not exceed 130 Watts
 (*) The maximum combined output of 12V1 and 12V2 is 360W
 (*) peak current at individual output only last up to 17 seconds



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Mechanical Drawing




Main power
24 (20+4) pin
- P1



Aux12V
(8 pin) - P2




Aux12V
(4 pin) - P9



PCI-E
P4 ~ P5



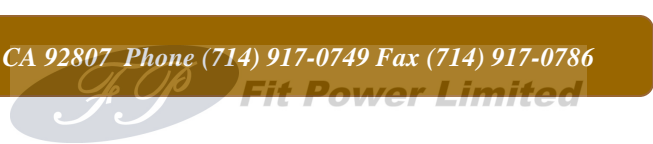
IDE Drive
- P6, P7, P9 & P10



FDD Drive
- P8 & P11



SATA
- P12 ~ P17

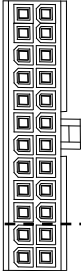


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Wire Harness

Description

P1 - Main Power



P2 - 8 Pin CPU-VR Power Connector



P3 - Power Connector for high wattage PCI-Exp VGA



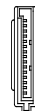
P4, P5, P7, P8 - Peripheral



P6 - Floppy



P9 - 12 - SATA



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	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 39-01-2080 or Equivalent

1	Black	GND	5	Yellow	+12V1
2	Black	GND	6	Yellow	+12V1
3	Black	GND	7	Yellow	Black
4	Black	GND	8	Yellow	Black

Molex 45559-0002 or Equivalent

1	Yellow	+12V1	4	Black	GND
2	Yellow	+12V1	5	Black	GND
3	Yellow	+12V1	6	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 88751 or Equivalent

SATA

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

• Pictures, drawing and specification subject to change without notice. All new processors support will be updated once official announced by vendors

•Last Update: 9/30/2009

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