

# iPMKIT Mini-ITX Power Kit



## Perfect for all Mini-ITX Motherboards - Compact Design, Less Cables

The power kit includes the smallest snap-in 12V ATX dc-dc power board and AC adapter. It is compatible with an entire range of Mini-ITX motherboards as well as regular boards. It provides a cool, silent 120 Watts of power for small PC designs using a single 12V power source.

- Very small, can build ultra-compact PC enclosures and slim server enclosures.
- Fits any motherboard equipped with a 20 or 24pin ATX connector.
- 100% silent, fanless, no moving parts.
- Operates at only 12V.
- Highly efficient design, does not produce a lot of heat.
- Ideal for Low Power VIA C3/C7 motherboards as well as Intel Core Duo and AMD

### DC-DC Power board Specification:

**Input Requirements:** 12V regulated, min=2A, max=10A (load dependent). Over-Voltage shutdown will occur at 13-13.5V.

**Weight:** 2 ounces

**DC-Jack:** Female, panel mount, 2.5 x 5.5 x 10 mm

**Connectors:** Molex 39-01-2200, two 3.5" drive power connector, 1 x floppy.

**Overload protection:** Over load protection will be effected when either of the loads (+5V & +3.3V) exceeds >200% Max Load.

**Turn-on Delay:** After turning on, at least 20 ms will be needed for the rise of +5VSB output voltage (measured from 10% to 95%) to reach its peak.

**Remote ON/OFF control:** Logic level is LOW - Output voltage is enable (PS\_ON pin). Logic level is HIGH - Output voltage is disabled (PS\_ON pin)

**Operating environment:** Temperature: -20 to 85 degree centigrade. Relative Humidity: 10 - 90%, non-condensing.

**Storage:** Temperature -40 to +90 degree centigrade. Relative humidity: 5 - 95%, non-condensing.

**Certifications:** EN55024, EN55022 Class B(CE certification), Australia/New Zealand (using CISPR 33, EN55022), Japan (VCCI: using CISPR 22, ANSI C63.4), United States (FCC Part 15, Subpart B, Class B), Canada (ICES-003 using CISPR 22, ANSI C63.4)

### Power Ratings (Max Load=140 Watts)

Volts(V)	Max Load(A)	Peak Load (A)	Regulation %
5V	6A	8A	+/-1.5%
5VSB	1.5A	2A	+/-1.5%
3.3V	6A	8A	+/-1.5%
-12V	0.05A	0.1A	+/- 5%
12V	7A	10A	Switched input

At max load, forced air ventilation is required. For fanless operation de-rate the output of the 3.3V and 5V rails by ~20%. Peak load should not exceed 60 seconds.

### Efficiency Ratings, 3.3 and 5V rail

Ch1=5V	Efficiency (%)	CH2=3.3V	Efficiency (%)
1A	86%	1A	85%
3A	94%	3A	93%
5A	96%	5A	94%
8A	93%	8A	91%

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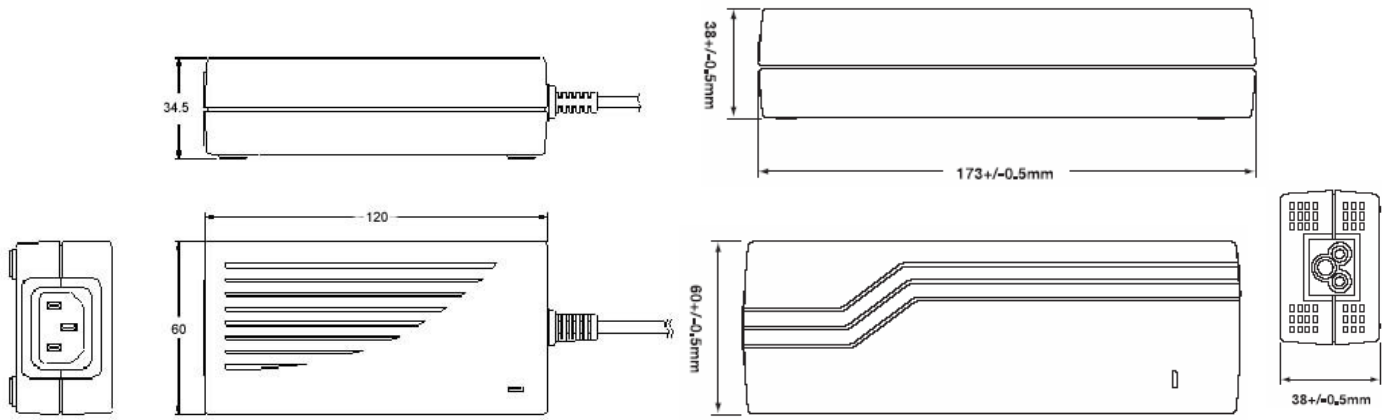
\* All specifications and photos are subject to change without notice

**Your Best Solution Provider!**

# iPMKIT Mini-ITX Power Kit

**60W AC Adapter Mechanical**

**110W AC Adapter Mechanical**



unit in mm

AC Adapter Specification	For iPMKIT-60	For iPMKIT-110
Output Voltage	+12V ~ 17V	+12V ~17V
Output Rating	5A or 60W Max	8.5A or 110W
Input Voltage	AC 100-240V	AC 100-240V
Input Frequency	50-60Hz	50 - 60Hz
Input Current	1.8A Maximum	2.5A Maximum
Inrush Current	80A Maximum	100A Maximum
Line Regulation	+/- 2%	+/- 2%
Load Regulation	+/- 5%	+/- 5%
Ripple & Noise	1% Typical	120mV p-p
Efficiency	78% Typical	85%
Temperature Coefficient	0.05% / °C	0.05% / °C
Over-Voltage Protection	16V - 20V Maximum	Auto Recovery
Operating Temperature	0-40°C	0-40°C
Storage Temperature	-20 - 85°C	-20 - 85°C
Safety Description	UL, CUL, TUV, CE, PSE, D.F.N.S., CB, FCC, BSMI, EK, 3C	
UPC Code	841418010126	841418010133
Package Weight	1.5 lbs	2 lbs

## Package includes



**10" ATX Power Extension**



**6' Power Cable**



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