



Computer Power Supply

ATX 2.0, 255 W, 230 V, P4 Compatible

Model
178020

Reliable power – where and when it's needed – for popular personal computer systems.

The MANHATTAN® Computer Power Supply provides power for today's demanding P4 ATX form factor systems. Ample internal power outputs make attaching peripherals simple and the addition of a direct SATA power connection eliminates the need for additional adapters.

Safe, Regulated Power Ensures Confidence

Short circuit protection, integrated power shut-down switch and line regulation help the MANHATTAN Computer Power Supply safeguard attached devices from damage caused by common power sags and spikes.

Easy to install

Mount the MANHATTAN Computer Power Supply inside the PC case and attach the power leads. All power outputs are standard, keyed connections to help reduce the risk of improper installation that could damage the computer and peripherals.

Lifetime Warranty

Strict manufacturing standards ensure the highest quality in all MANHATTAN products. All items carry a full Lifetime Warranty – the strongest quality commitment anyone can make.





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Features

- Provides a steady, safe and reliable power source – ideal for new systems, replacement or upgrade applications
- 80 mm internal fan delivers quiet and efficient cooling
- Short circuit protection prevents power sag and spike damage to critical components
- Multiple built-in connectors allow quick and easy peripheral installation without adapters
- Active power factor correction (PFC) reduces environmental interference with nearby electrical devices
- Lifetime Warranty

Specifications

STANDARDS AND CERTIFICATIONS

- CE
- Active PFC
- ATX 12V 2.0

EXTERNAL PORTS

- (1) input power with power switch

INTERNAL CONNECTIONS

- (4) Molex 4-pin
- (1) ATX 20+4 pin
- (1) 12 V 4-pin auxiliary power
- (1) FDD (floppy disk drive) 4-pin
- (2) SATA power 15-pin
- Voltage (minimum load/maximum load): +5 V (0.5 A / 18 A), +12 V1 (1 A / 10 A), +12 V2 (1 A / 10 A), -12 V (0 A / 0.3 A), +3.3 V (0.3 A / 19 A), +5 VSB (0 A / 2.5 A)

POWER INPUT

- Voltage: 207 – 253 V AC
- Wattage: 255 W
- Frequency: 47 – 63 Hz
- Current: 230 V 3.0 A maximum
- Max inrush current: 100 A cold start

POWER REGULATION

- Line regulation: +/- 1%
- Load regulation: +/- 5% (-12 V +/- 10%)
- Ripple and noise: +3.3 V / 50 mV, +5 V / 50 mV, +12 V1 / 120 mV, +12 V2 / 120 mV, -12 V / 120 mV, +5 VSB / 50 mV
- Efficiency: 70% (minimum) at full load

PHYSICAL

- (1) 80 mm internal fan
- Dimensions: 150 x 140 x 86 mm (6 x 5.5 x 3.5 in.)
- Weight: 1.54 kg (54.4 oz.)

ENVIRONMENTAL

- Operating temperature: 0 – 40°C (0 – 105°F)
- Storage temperature: -20 – 70°C (-20 – 158°F)
- Storage humidity: 5 – 95% non-condensing

PACKAGE CONTENTS

- Computer Power Supply
- User manual

For more information on MANHATTAN products, consult your local dealer or visit www.manhattan-products.com.


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BRINGING COMPUTERS TO LIFE

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