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› MONTECH Century II 1200W ATX 3.1 Power Supply User Manual

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Model: Century II 1200W

INTRODUCTION

Thank you for choosing the MONTECH Century II 1200W ATX 3.1 Fully Modular 80 Plus Gold Power Supply. This power supply unit (PSU) is designed to provide stable and efficient power to your computer system, featuring compatibility with the latest ATX 3.1 and PCIe 5.1 standards, including a native 12V-2x6 cable. Its compact 140mm design, Zero RPM mode, and 100% Japanese capacitors ensure reliable and quiet operation. This manual provides essential information for proper installation, operation, maintenance, and troubleshooting.



Image: The MONTECH Century II 1200W Power Supply, showcasing its design and key features.

SETUP AND INSTALLATION

Proper installation is crucial for the safety and optimal performance of your power supply. Please follow these steps carefully:

1. **Safety First:** Before beginning installation, ensure your computer system is completely powered off and unplugged from the wall outlet.
2. **Mounting the PSU:** Install the MONTECH Century II PSU into the designated power supply bay of your computer case. Secure it with the provided screws.
3. **Connecting Modular Cables:** This is a fully modular power supply. Connect only the necessary cables for your components. Refer to the cable table below for connector types and lengths. Ensure all connections are firm and secure.
4. **Motherboard Power:** Connect the 20+4 Pin ATX cable to your motherboard.

5. **CPU Power:** Connect the 4+4 Pin CPU (EPS 12V) cables to your motherboard's CPU power connectors.
6. **Graphics Card Power (PCIe):** For modern graphics cards, utilize the native 12V-2x6 cable for optimal power delivery. Connect additional 6+2 Pin PCIe cables as required by your GPU.
7. **Peripherals:** Connect SATA power cables for storage drives (HDDs/SSDs) and Molex cables for other peripherals as needed.
8. **Cable Management:** Utilize the flat and flexible cables to route them neatly within your case, improving airflow and aesthetics.

First-Class Gear Support: 12V-2x6 Cable

Standardize the 12V-2x6 cable for top compatibility with the latest graphics card.

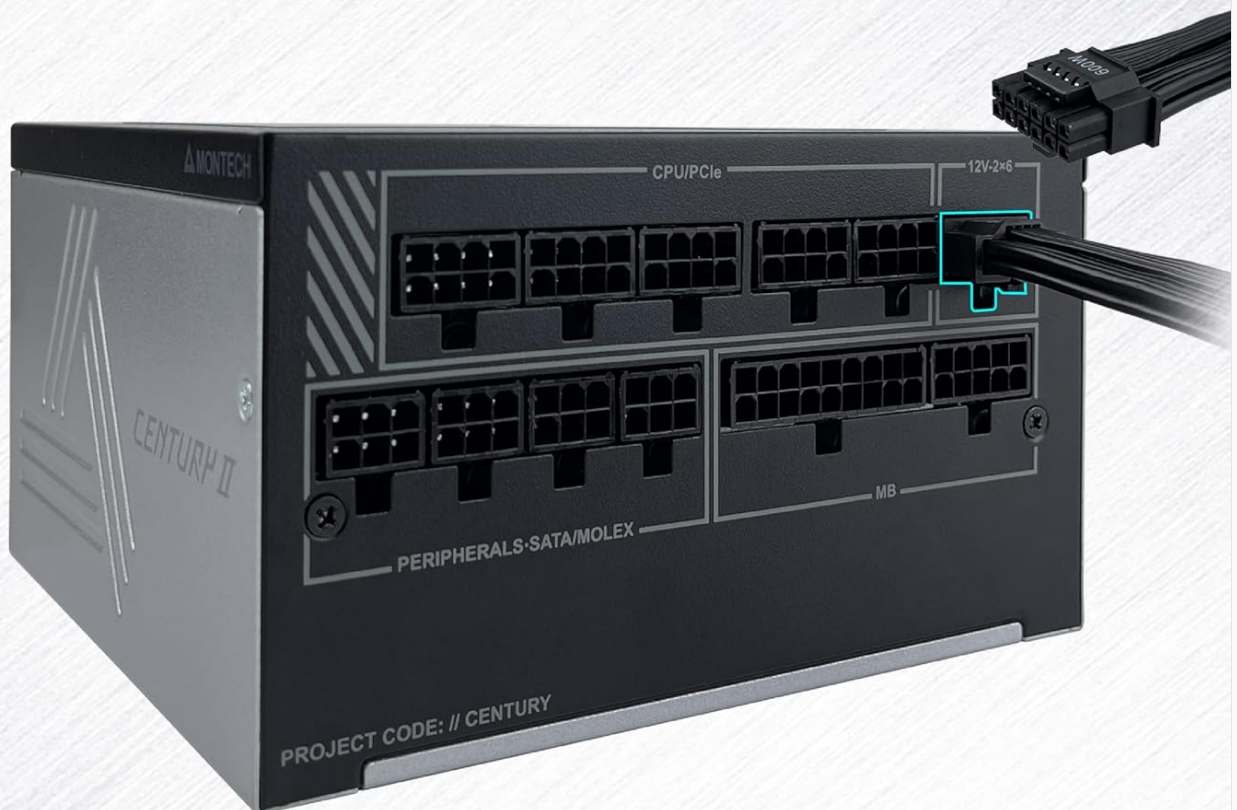


Image: Close-up view of the MONTECH Century II power supply showing the 12V-2x6 cable connection point for graphics cards.

Flat & Flexible for a Sleek Build

With included flat cables and a fully modular design, experience a neater build and easier maintenance.



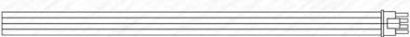
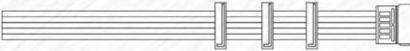
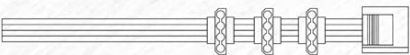
Cable Type	Number of Cable(s)		Connector(s) per Cable	Total Length
Motherboard	1		1 (20 + 4 Pins)	600mm
CPU (ATX 12 V / EPS 12 V)	2		1 (4 + 4 Pins)	700mm
PCIe	3		2 (6 + 2 Pins)	600mm
12V-2x6	1		1 (16 Pins to 16 Pins)	600mm
SATA	3		4	950mm
Molex	1		4	950mm

Image: Illustration of the flat and flexible modular cables included with the MONTECH Century II, alongside a table detailing cable types, quantities, and lengths.

OPERATING INSTRUCTIONS

The MONTECH Century II power supply is designed for straightforward operation. After successful installation, ensure all connections are secure before powering on your system.

Smart Zero Fan Mode

The PSU features a 135mm FDB silent fan with a Smart Zero Fan mode. This mode allows the fan to remain off under low load conditions, providing silent operation. The fan will automatically activate when the system load increases to maintain optimal cooling.

- **Activating/Deactivating Zero RPM Mode:** A switch on the rear of the PSU allows you to toggle the Smart Zero Fan mode on or off. When the switch is in the 'ON' position, the fan will operate continuously. When in the 'OFF' position, the fan will only spin up under load.

Efficient Cooling, Quiet Performance

Optimized 135mm fan size with Smart Zero Fan mode, ensuring ideal ventilation while maintaining a low noise level.

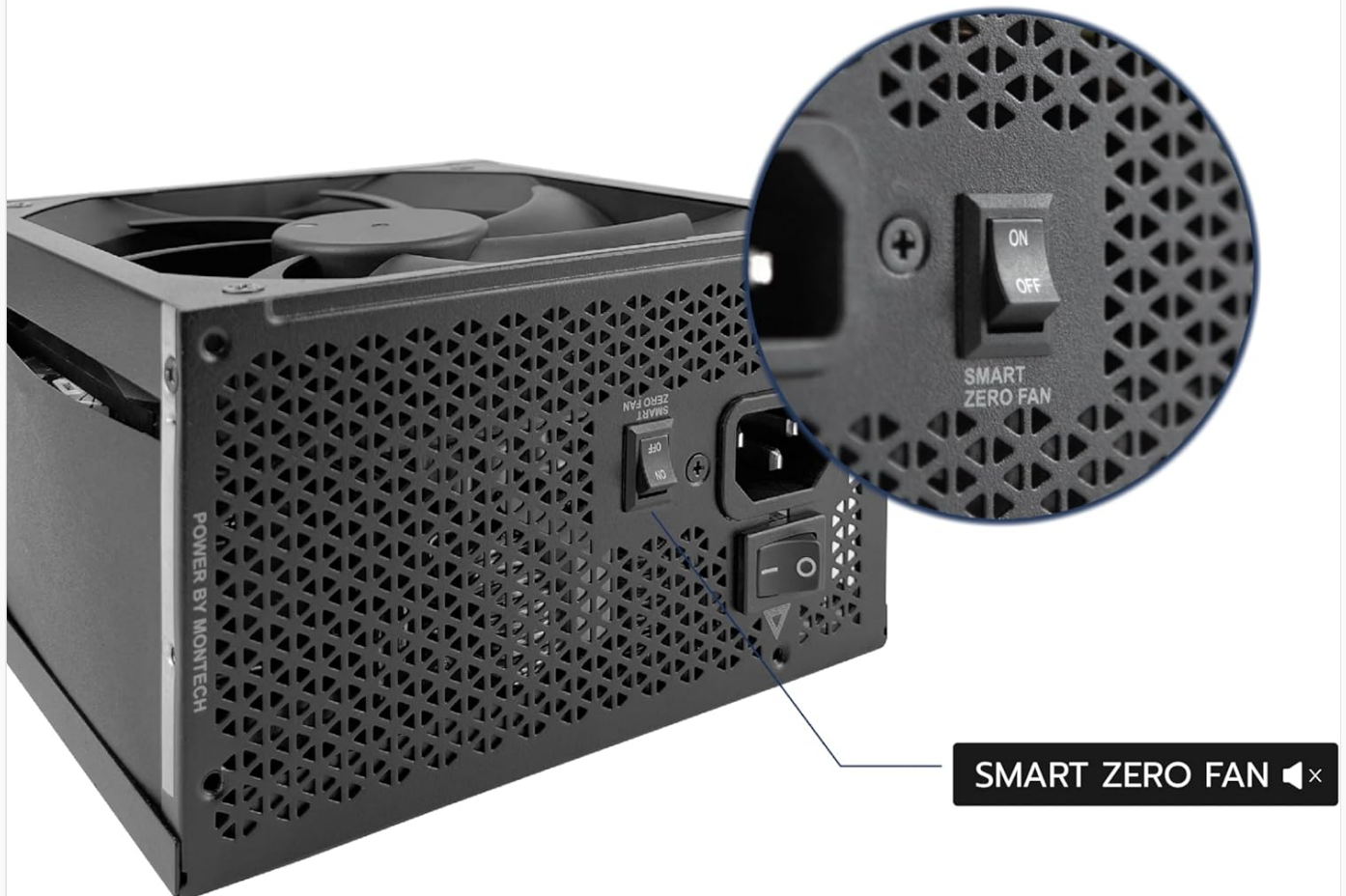


Image: Rear view of the MONTECH Century II power supply, highlighting the Smart Zero Fan toggle switch.

MAINTENANCE

Regular maintenance helps ensure the longevity and stable performance of your power supply.

- **Dust Cleaning:** Periodically clean the exterior of the PSU and the fan grille to prevent dust buildup, which can impede airflow and cooling efficiency. Use compressed air or a soft brush. Always power off and unplug the system before cleaning.
- **Cable Inspection:** Occasionally check all modular cable connections to ensure they remain securely seated. Loose connections can lead to instability or component damage.
- **Environmental Conditions:** Ensure the PSU operates in a well-ventilated environment with appropriate ambient temperatures. Avoid blocking the PSU's intake or exhaust vents.

TROUBLESHOOTING

If you encounter issues with your MONTECH Century II power supply, refer to the following common problems and solutions:

- **System Does Not Power On:**
 - Ensure the power cable is securely plugged into both the PSU and the wall outlet.
 - Check that the main power switch on the back of the PSU is in the 'ON' position.
 - Verify all modular cables (20+4 Pin ATX, CPU, PCIe) are correctly and firmly connected to both the PSU and the respective components.
 - Test the wall outlet with another device to confirm it has power.
- **Loud Fan Noise or Clicking Sound:**
 - If the fan is loud, check if the Smart Zero Fan mode is enabled. If it is, the fan should only spin under load. If it's constantly loud at low loads, ensure the switch is in the correct position for your preference.
 - A clicking sound, especially under load, might indicate an issue with the fan or internal components. If this persists, contact support.
 - Ensure no cables or obstructions are interfering with the fan blades.
- **System Instability or Random Shutdowns:**
 - Verify that your system's total power consumption does not exceed the PSU's 1200W capacity.
 - Ensure all power connectors, especially for the CPU and GPU, are fully seated.
 - Check for any signs of overheating in other components.

If these steps do not resolve the issue, please refer to the Warranty and Support section for further assistance.

SPECIFICATIONS

Feature	Detail
Model Name	Century II
Brand	Montech
Output Wattage	1200 watts
Form Factor	ATX
Efficiency Certification	80 Plus Gold
ATX Standard	ATX 3.1 Ready
PCIe Standard	PCIe 5.1 Ready (Native 12V-2x6 Cable)
Capacitors	100% Japanese Capacitors
Cooling Method	Air (135mm FDB Silent Fan with Zero RPM Mode)
Minimum Input Voltage	100 volts AC
Maximum Input Voltage	240 volts AC
System Bus Connector Type	20+4 Pin

Feature	Detail
Item Dimensions (L x W x H)	10 x 10 x 10 inches
Item Weight	5.3 pounds
Protection Features	OCP, OVP, UVP, SCP, OTP, OPP

All Time Peak Efficiency

Delivers efficient performance across all load levels, surpassing low-load efficiency benchmarks to meet Platinum standards.

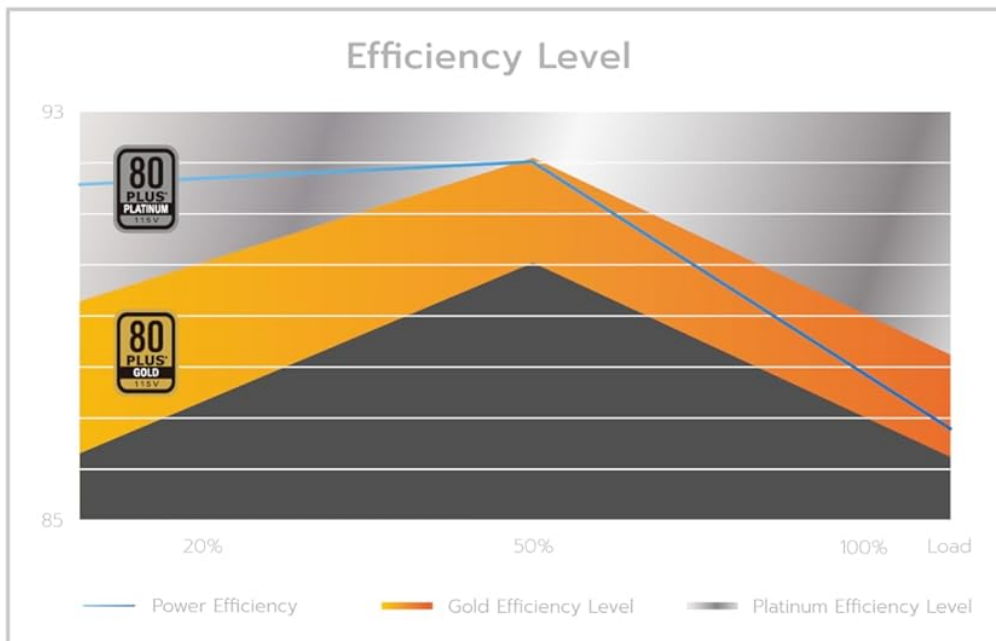


Image: Graph illustrating the efficiency curve of the MONTECH Century II power supply across various load levels.

Reliability from Start to Finish

100% Japanese capacitors in the advanced power architecture ensure stable, long-term reliable operation.



100% Japanese capacitors

Image: Close-up view of the 100% Japanese capacitors used in the MONTECH Century II power supply, indicating high-quality internal components.

WARRANTY INFORMATION

The MONTECH Century II 1200W Power Supply comes with a **10-Year Manufacturer Warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. For detailed terms and conditions of the warranty, please refer to the official MONTECH website or contact customer support.

SUPPORT

For technical assistance, product inquiries, or warranty claims, please contact MONTECH customer support through their official channels.

- **MONTECH Official Website:** Visit the [Montech Store on Amazon](#) or their global website for support resources, FAQs,

and contact information.

- **Contact Information:** Refer to the product packaging or the official MONTECH website for specific customer service contact details.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question