

Supermicro YM-5201D

Supermicro YM-5201D ATX & EPS12V Power Supply User Manual

Model: YM-5201D (PWS-202-1H)

Brand: Supermicro

1. INTRODUCTION

This user manual provides essential information for the safe and efficient installation, operation, and maintenance of your Supermicro YM-5201D ATX & EPS12V Power Supply. Please read this manual thoroughly before using the product to ensure proper functionality and to prevent damage.



Figure 1: Supermicro YM-5201D ATX & EPS12V Power Supply, showing the main unit and attached power cables.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the power supply and connected components:

- Ensure the power supply is disconnected from the AC outlet before installation or removal.
- Do not open the power supply casing. There are no user-serviceable parts inside, and opening it voids the

warranty and exposes you to dangerous voltages.

- Install the power supply in a well-ventilated area to prevent overheating.
- Use only the cables provided or approved by Supermicro for this power supply.
- Avoid exposing the power supply to moisture or extreme temperatures.
- Ensure proper grounding of the computer system.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Supermicro YM-5201D ATX & EPS12V Power Supply
- AC Power Cord (region specific)
- Mounting Screws
- User Manual (this document)

4. SETUP AND INSTALLATION

Follow these steps to install the power supply into your computer chassis:

1. **Prepare the System:** Disconnect the computer from the AC power outlet. Open the computer case according to its manufacturer's instructions.
2. **Remove Old Power Supply (if applicable):** Unscrew and remove the existing power supply. Disconnect all power cables from the motherboard, graphics card, drives, and other components.
3. **Install New Power Supply:** Carefully slide the Supermicro YM-5201D power supply into the designated power supply bay in your chassis. Ensure the fan is oriented correctly for optimal airflow (typically facing downwards or towards the rear vent).
4. **Secure the Power Supply:** Align the screw holes on the power supply with those on the chassis. Secure the power supply using the provided mounting screws.
5. **Connect Cables:**
 - **24-pin ATX Motherboard Connector:** Connect the large 24-pin connector to the corresponding port on your motherboard. Ensure it clicks into place.
 - **8-pin (4+4) EPS12V CPU Connector:** Connect the 8-pin or split 4+4-pin connector to the CPU power port on your motherboard.
 - **PCIe Connectors (if applicable):** If your graphics card requires additional power, connect the appropriate 6-pin or 8-pin PCIe power connectors.
 - **SATA Power Connectors:** Connect SATA power cables to your hard drives, SSDs, and optical drives.
 - **Molex Connectors (if applicable):** Connect Molex power cables to any legacy devices or case fans that require them.
6. **Cable Management:** Route cables neatly to improve airflow and aesthetics within the case.
7. **Close Chassis:** Once all connections are secure, close the computer case.
8. **Connect AC Power:** Connect the AC power cord to the power supply's inlet and then to a grounded wall outlet or surge protector.



Figure 2: Rear view of the Supermicro YM-5201D Power Supply, highlighting the cooling fan and AC power input.

5. OPERATING INSTRUCTIONS

After successful installation, operating the power supply is straightforward:

- **Power On:** Ensure the power switch on the rear of the power supply (if present) is in the 'ON' (I) position. Then, press the power button on your computer case.
- **Power Off:** Shut down your computer through the operating system. Once the system is off, you can flip the power switch on the power supply to the 'OFF' (O) position for complete power disconnection.
- **Normal Operation:** The power supply will automatically regulate power delivery to your components based on demand. Ensure adequate ventilation around your computer to prevent heat buildup.

6. MAINTENANCE

Regular maintenance helps prolong the life of your power supply:

- **Dust Removal:** Periodically (e.g., every 3-6 months), disconnect the power supply from the AC outlet and use compressed air to gently blow dust out of the power supply's fan and vents. Do not open the casing.
- **Cable Inspection:** Occasionally check all power cables for any signs of wear, fraying, or loose connections.
- **Ventilation:** Ensure that the computer case's ventilation openings are not obstructed.

7. TROUBLESHOOTING

If you encounter issues, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Computer does not power on.	Power cable loose; Power switch off; Faulty component; Insufficient power.	Check AC power cord connection. Ensure power supply switch is ON. Verify all internal power connections (24-pin, 8-pin CPU). Test with minimal components.
System powers on but shuts down immediately.	Overload; Overheating; Short circuit.	Ensure total wattage draw is within PSU limits. Check for proper ventilation. Inspect for any loose screws or components that might be causing a short.
Loud fan noise from PSU.	Dust buildup; Fan bearing issue; High load.	Clean dust from fan and vents using compressed air. If noise persists and is excessive, consider professional inspection.

If troubleshooting steps do not resolve the issue, contact Supermicro technical support.

8. SPECIFICATIONS

Key technical specifications for the Supermicro YM-5201D Power Supply:

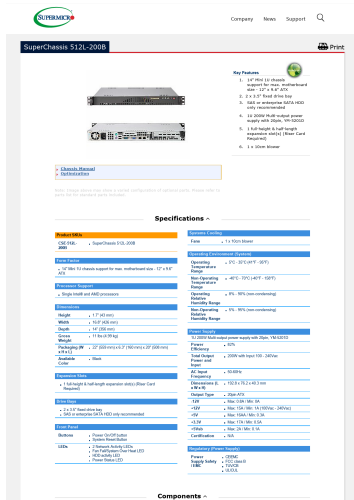
Feature	Detail
Model Name	YM-5201D
Item Model Number	PWS-202-1H
Brand	Supermicro
Form Factor	1U
Output Wattage	200 Watts
Connector Type	ATX
Compatible Devices	Desktop Computers, Servers, Desktop Components
Cooling Method	Air
Product Dimensions (L x W x H)	1.1 x 9.7 x 6.5 inches
Item Weight	6.6 pounds
Date First Available	November 14, 2012

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Supermicro website or contact their customer service directly. Keep your proof of purchase for warranty claims.

Supermicro Official Website: www.supermicro.com

Documents - Supermicro – YM-5201D



[\[pdf\]](#) User Manual Parts List Specifications Dimension Guide

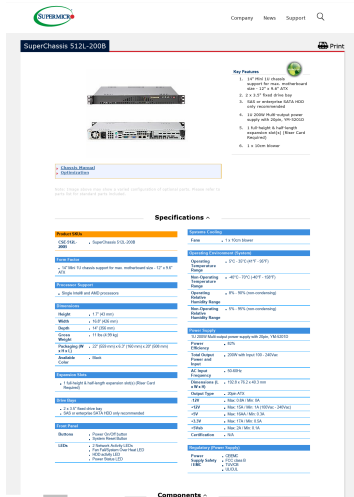
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SAS or enterprise SATA HDD only recommended 4. 1U 200W Multi-output power supply with 20pin, **YM-5201D** 5. 1 full-height half-le...

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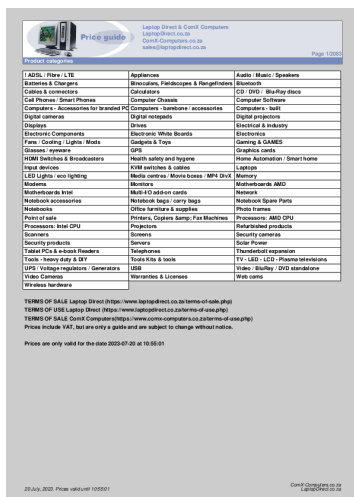
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