

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.

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 |
|---------|----------------|----------|
|---------|----------------|----------|

| 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

Synology

Company News Support

Print

SuperChassis 512L-2000

Chassis Manual

Chassis Overview

SuperChassis 512L-2000 is a 1U height server chassis certified for rackmount. Please refer to the User Manual for detailed information.

Key Features

1. 1U height (2 slots) server chassis
2. 10GbE port (1GbE port available)
3. 5.25" or enterprise SATA/HDD
4. 2.5" or 3.5" SAS/SATA
5. 1U full height (1U height length)
6. 1.5U height
7. 1.5U height

Specifications -

Chassis

Model Name: SuperChassis 512L-2000

Front Panel

• 1U height (2 slots) support for one mid-height drive, 1.5U height

Front Panel Features

• Single height or 1.5U height

Height

• Height: 1.5U (30.48 mm)

Width

• Width: 440 mm (17.32 in)

Depth

• Depth: 430 mm (16.93 in)

Weight

• Weight: 11.4 kg (25.17 lb)

Dimensions (W x H x D)

• 440 x 50 x 430 mm (17.32 x 1.97 x 16.93 in)

Color

• Black

Front Panel

• 1GbE port (RJ45) with high performance Intel® Dual Band Wireless-AC

Front Panel

• 2 x 1GbE port (one front, one rear)

Front Panel

• 1GbE port (RJ45) with high performance Intel® Dual Band Wireless-AC

Bottom

• Power On/Off button

Bottom

• 1GbE port (RJ45) with high performance Intel® Dual Band Wireless-AC

Bottom

• Power On/Off button

Bottom

• Power On/Off button

Components -

Power Supply

- Power Supply: 1000W (80+ Gold)
- Power Supply: 1000W (80+ Gold)
- Power Supply: 1000W (80+ Gold)

Front Panel

- Power button
- 1GbE port (RJ45)
- 1GbE port (RJ45)
- 1GbE port (RJ45)

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

SC512L 200B 1U Chassis Products Super Micro Computer Inc 512L 512 SC512 2 20 200 Server

Supermicro BV pgurl 4241832391316190 siliconexpert s2 2019 7 4 18 16 35 739350 sprc manual ||| Company News Support SuperChassis 512L-200B Print Key Features 1. 14 Mini 1U chassis support for max. motherboard size - 12 x 9.6 ATX 2. 2 x 3.5 fixed drive bay 3. 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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supermicro support resources pws WILLYBOB Power Supply MatrixPWS 0056 650W SP650 RP Single 30A 46A 4 0A 24 pin Both Yes PS 2 EOL Copyright © 2010 Super Micro Computer Inc Information in this supermicro 401 2h 42070 enprodimech ch en |||

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Super Micro Computer Inc Support Power Supply Matrix PWS 801 1R 800W Module 1 30A 66A 24A 4A
20 or 24 pin Yes 3U Backplane 721P 720W supermicro pws 502 pq 54744 en destockage prodimex ch
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Home Contact Us Advanced Search PWS-303-PQ Search Power Supply Matrix
Support Power Supply Matrix ... pin Both Yes 1U PWS-281 -1H 280W PWS-281 -1H
Single 1 18A 23A 15A 2A PWS-202 -1H 200W **YM-5201D** Single 0.9 16A 15A 17A 2A
24 -pin 20 -pin N/A Yes 8pin Yes PWS-201 -1H 200W PWS-20...

Price guide

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Product categories

| | | |
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| Calipers & converters | Calculators | CD / DVD - Blu-ray discs |
| CD/DVD drives | Computer accessories for branded PCs | Chargers |
| Computers - desktop - accessories | Computer - built | Digital cameras |
| Digital notebooks | Digital projectors | Displays |
| DVD | Emergency Boards | Drives |
| Fans / Cooling / Lights / Mods | Gadgets & Toys | Gaming & Games |
| CD/DVD drives | Gifts | Home Automation |
| HD/SDI Switchers & Broadcasters | Health and safety (COVID-19 specific) | Home Automation / Smart home |
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20 June 2021
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ComX-Computers & LaptopDirect Product Price Guide

A comprehensive listing of products, prices, and descriptions from ComX-Computers and LaptopDirect, including various electronics, home appliances, and accessories. Valid as of June 30, 2021.

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