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HEWLETT PACKARD P55248-B21

HPE ProLiant DL380 G10 Plus 2U Rack Server User Manual

Model: P55248-B21

INTRODUCTION

This manual provides essential information for the safe and efficient use of your HPE ProLiant DL380 G10 Plus 2U Rack Server. Please read this manual thoroughly before installation and operation, and retain it for future reference.

The HPE ProLiant DL380 G10 Plus is a versatile 2U rack server designed for demanding workloads, offering high performance and expandability. It features an Intel Xeon Gold 5315Y processor, 32 GB RAM (expandable to 2 TB), and a 12Gb/s SAS controller.

SAFETY INFORMATION

Always observe the following safety precautions to prevent injury and damage to the equipment:

- Ensure proper grounding for all electrical connections.
- Do not operate the server with covers removed.
- Disconnect power before performing any maintenance or upgrades.
- Install the server in a well-ventilated area to prevent overheating.
- Use only HPE-approved components and accessories.

SETUP GUIDE

1. Unpacking and Inspection

Carefully remove the server from its packaging. Inspect for any signs of shipping damage. Report any damage to your carrier and reseller immediately.



Figure 1: Front view of the HPE ProLiant DL380 G10 Plus 2U Rack Server. This image shows the server's front panel, including drive bays and control buttons.

2. Rack Installation

The HPE ProLiant DL380 G10 Plus is a 2U rack-mountable server. Follow the instructions provided with your rack rail kit for secure installation into a standard 19-inch server rack.

1. Attach the rail kit to the server and the rack.
2. Slide the server into the rack until it clicks into place.
3. Secure the server to the rack using the provided screws.

3. Connecting Peripherals and Power

Connect necessary peripherals such as keyboard, mouse, and monitor (if applicable) to the server's rear ports. Connect network cables to the appropriate Ethernet ports. Finally, connect the power cords to the server's power supply units and then to a grounded power outlet.

OPERATING INSTRUCTIONS

1. Initial Power On

Press the power button on the front panel of the server. Observe the POST (Power-On Self-Test) sequence. The server will typically boot into the installed operating system or a pre-boot environment.

2. Accessing iLO (Integrated Lights-Out)

HPE iLO provides remote server management capabilities. To access iLO, connect a network cable to the iLO dedicated management port and configure its IP address through the server's BIOS/UEFI settings or via DHCP.

- Open a web browser and enter the iLO IP address.
- Log in using the credentials found on the iLO default password tag (usually on the server chassis).

3. Operating System Installation

Refer to your operating system's documentation for detailed installation procedures. HPE provides drivers and firmware updates on its official support website.

MAINTENANCE

1. Regular Cleaning

Periodically clean the server's exterior and ventilation openings to ensure optimal airflow. Use a soft, dry cloth. Do not use liquid cleaners directly on the server.

2. Firmware and Driver Updates

Regularly check the HPE support website for the latest firmware and driver updates for your DL380 G10 Plus server. Keeping components updated ensures stability, performance, and security.

3. Component Replacement

For replacing components like hard drives, memory modules, or power supplies, always refer to the specific service manual for the HPE ProLiant DL380 G10 Plus. Ensure the server is powered off and disconnected from power before opening the chassis.

TROUBLESHOOTING

This section provides solutions to common issues. For more complex problems, consult the HPE support documentation or contact technical support.

Problem	Possible Cause	Solution
Server does not power on.	No power, faulty power supply, loose connection.	Check power cords, verify power outlet, test with another power supply if available.
System hangs during boot.	Faulty RAM, incorrect BIOS settings, corrupted OS.	Reseat RAM modules, reset BIOS to default, attempt OS repair or reinstallation.
Network connectivity issues.	Loose cable, incorrect network settings, faulty NIC.	Check network cables, verify IP configuration, update NIC drivers, test with a different port or NIC.

SPECIFICATIONS

Feature	Detail
Model	HPE ProLiant DL380 G10 Plus
Part Number	P55248-B21
Form Factor	2U Rack
Processor	1 x Intel Xeon Gold 5315Y 3.20 GHz (supports 2 processors)
Chipset	Intel C621A
Memory	32 GB RAM (expandable up to 2 TB)

Feature	Detail
Storage Controller	12Gb/s SAS Controller
Graphics	Up to 16 MB Graphic Card
Package Dimensions	37.4 x 23.23 x 10.63 inches
Item Weight	56.1 pounds
CPU Socket	LGA 1151
Secondary Cache	16 MB

WARRANTY AND SUPPORT

Your HPE ProLiant DL380 G10 Plus server is covered by a manufacturer's warranty. For detailed warranty terms and conditions, please refer to the documentation included with your purchase or visit the official HPE support website. For technical assistance, product registration, or to download the latest drivers and firmware, please visit the [HPE Support website](#). You may also contact HPE technical support directly using the contact information provided on their website.

Note: Protection plans may be available for extended coverage. Check with your reseller for options like the 4-Year Protection Plan or Complete Protect monthly plan.