

## HP DL380 G10

# HP ProLiant DL380 G10 Server Instruction Manual

Model: DL380 G10

## 1. INTRODUCTION

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This manual provides essential information for the setup, operation, maintenance, and troubleshooting of your HP ProLiant DL380 G10 8 Bay SFF 2U Server. Please read this guide thoroughly before operating the server to ensure proper functionality and safety.

## 2. SETUP

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### 2.1 Unpacking and Inspection

Carefully remove the server from its packaging. Inspect the server for any signs of physical damage that may have occurred during transit. Report any damage to your supplier immediately.

### 2.2 Physical Installation (Rack Mounting)

The HP ProLiant DL380 G10 is designed for rack installation. Ensure the rack is stable and has adequate ventilation. Install the included rail kit into the rack according to the rail kit instructions. Slide the server onto the installed rails until it locks into place.

### 2.3 Connecting Peripherals

Connect necessary cables to the rear of the server:

- **Power Cables:** Connect one or two power supply units to a grounded power outlet.
- **Network Cables:** Connect Ethernet cables to the network ports. The server features 640FLR-SFP28 ports for high-speed networking.
- **KVM (Keyboard, Video, Mouse):** If direct console access is required, connect a monitor to the VGA port and a keyboard/mouse to the USB ports.

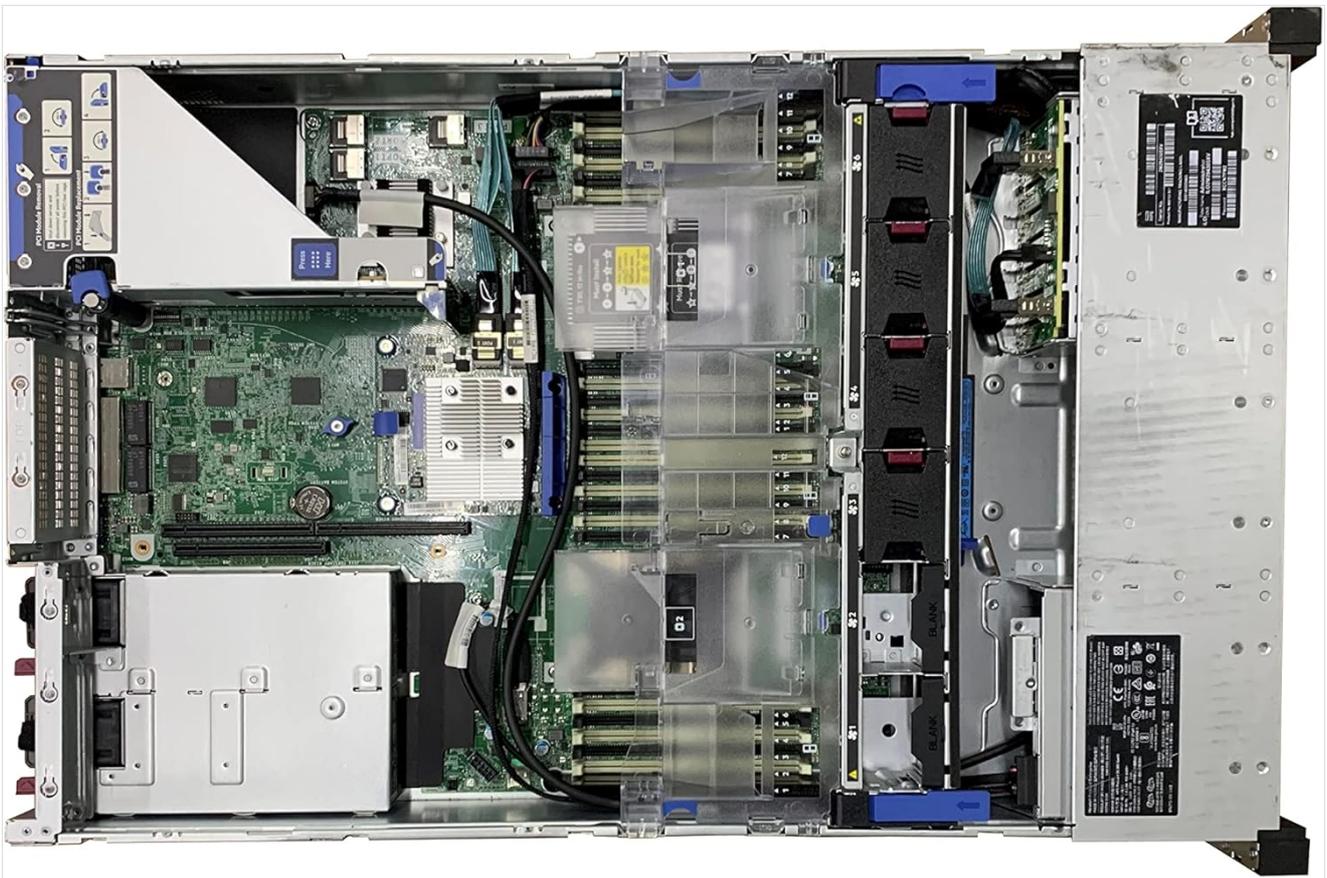


Figure 2.3.1: Rear view of the HP ProLiant DL380 G10 server, illustrating the various ports for power, network, and KVM connections. Note the dual power supply bays, multiple network interfaces, and VGA/USB ports.

## 2.4 Initial Power On

After connecting all necessary cables, press the power button on the front panel of the server. Observe the system's boot process and status indicators.

## 3. OPERATING THE SERVER

### 3.1 Powering On/Off

To power on, press the power button. To power off, press and hold the power button for several seconds, or perform a graceful shutdown through the operating system.

### 3.2 Accessing BIOS/UEFI

During startup, press the designated key (typically F9 or Delete) to enter the BIOS/UEFI setup utility. This allows configuration of boot order, system settings, and hardware parameters.

### 3.3 Operating System Installation

The server supports various operating systems. Insert the OS installation media (USB or optical drive) and configure the boot order in BIOS/UEFI to initiate the installation process. Follow the operating system's specific installation instructions.

### 3.4 Remote Management (iLO)

The HP ProLiant DL380 G10 features an Integrated Lights-Out (iLO) port for remote management. Connect an Ethernet cable to the iLO port and configure its network settings to access the web-based management interface. iLO allows for remote power control, virtual media, and system monitoring.

## 4. MAINTENANCE

### 4.1 Regular Cleaning

Periodically clean the server's exterior and ventilation grilles to prevent dust buildup, which can impede airflow and lead to overheating. Use compressed air to gently clear dust from internal components, ensuring the server is powered off and unplugged first.

### 4.2 Firmware Updates

Regularly check for and apply firmware updates for the server's BIOS/UEFI, iLO, and other components (e.g., RAID controller, network adapters). Firmware updates can improve performance, stability, and security.

### 4.3 Component Replacement

The DL380 G10 is designed for easy access to internal components. Always power off the server and disconnect power cables before opening the chassis. Refer to specific component documentation for detailed replacement procedures.



Figure 4.3.1: Internal view of the HP ProLiant DL380 G10 server, highlighting the layout of components such as CPUs (under heatsinks), DDR4 RDIMM slots, and SFF drive bays. This view is useful for maintenance and component upgrades.

- **Drives:** The server supports 8 SFF (Small Form Factor) drives. Drives are hot-swappable; however, consult your RAID controller documentation for proper replacement procedures to maintain data integrity.
- **Memory (RAM):** The server uses DDR4 RDIMM modules. Ensure proper electrostatic discharge (ESD) precautions are taken when handling memory.
- **CPUs:** The server supports two Intel Xeon Gold 6130 processors. CPU replacement requires careful handling and proper thermal paste application.

## 5. TROUBLESHOOTING

### 5.1 Common Issues

- **No Power:** Check power cable connections, power supply status LEDs, and ensure the power outlet is functional.
- **Boot Failure:** Verify boot order in BIOS/UEFI. Check for any error messages on the screen or through iLO. Reseat memory modules and expansion cards.
- **Network Issues:** Confirm network cable connections. Check network adapter status LEDs. Verify network configuration in the operating system and iLO.

### 5.2 LED Indicators

The server features various LED indicators on the front panel and individual components (e.g., power supplies, drives) that provide status and diagnostic information. Consult the server's official documentation for a detailed explanation of each LED's meaning.

### 5.3 Error Messages

System error messages may appear on the console or be logged in iLO. These messages often provide specific codes or descriptions that can help diagnose the problem. Refer to HP's official support resources for error code lookup.

## 6. SPECIFICATIONS

Feature	Specification
Model	HP ProLiant DL380 G10
Form Factor	2U Rack Server
Processor	2x Intel Xeon Gold 6130 (2.1GHz, 16 Cores each)
RAM	384GB DDR4 RDIMM (12 x 32GB)
Storage Controller	P408ia
Hard Drive Bays	8 Bay SFF
Included Drives	8x 1.8TB 10K 12G SAS Drive
Network Interface	640FLR-SFP28
Included Components	Rail Kit, Registered Memory
Hardware Platform	PC
Color	Black

## 7. WARRANTY INFORMATION

This product is a renewed item. Warranty coverage is typically provided by the seller, TekBoost Certified, for a specified period. Please refer to your purchase documentation or contact TekBoost Certified directly for detailed information regarding the warranty terms and conditions applicable to this renewed server.

## 8. SUPPORT

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For technical assistance, troubleshooting, or warranty claims, please contact your seller, TekBoost Certified. You may also find general documentation and support resources for the HP ProLiant DL380 G10 server on the official HP support website.