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HP Z2 Mini G3

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Model: Z2 Mini G3

INTRODUCTION

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your HP Z2 Mini G3 Workstation Desktop. This compact and powerful system is designed for professional use, featuring an Intel Core i7-7700 processor and NVIDIA Quadro M620 graphics, running on Windows 11 Pro.

WHAT'S IN THE BOX

Verify that all components are present in the packaging:

- HP Z2 Mini G3 Workstation Desktop
- Keyboard
- Mouse
- Power Cord



Image: Front view of the HP Z2 Mini G3 Workstation Desktop. This image shows the compact design and the power button on the front panel.



Image: Top view of the HP Z2 Mini G3 Workstation Desktop, highlighting the 'Z' logo.

SETUP INSTRUCTIONS

Follow these steps to set up your HP Z2 Mini G3 Workstation Desktop:

1. **Placement:** Place the workstation on a stable, flat surface with adequate ventilation. Ensure no vents are

obstructed.

2. Connect Peripherals:

- Connect the keyboard and mouse to the available USB ports.
- Connect your monitor(s) to the DisplayPort outputs on the rear of the workstation. The NVIDIA Quadro M620 supports multiple displays.
- If connecting to a wired network, plug an Ethernet cable into the RJ-45 port.



Image: Rear view of the HP Z2 Mini G3 Workstation Desktop showing various ports including DisplayPort, USB, and Ethernet. This image helps identify where to connect external devices.

3. **Connect Power:** Plug the power cord into the workstation's power input, then into a grounded electrical outlet.
4. **Power On:** Press the power button located on the front of the workstation. The system will begin to boot.
5. **Initial Windows 11 Setup:** Follow the on-screen prompts to complete the Windows 11 Pro setup, including language, region, network connection, and user account creation.

OPERATING INSTRUCTIONS

Power Management

- **Turning On:** Press the power button on the front panel.
- **Shutting Down:** In Windows 11, click the Start button, then Power, and select "Shut down."
- **Restarting:** In Windows 11, click the Start button, then Power, and select "Restart."
- **Sleep Mode:** In Windows 11, click the Start button, then Power, and select "Sleep." Press any key or move the mouse to wake the system.

Connecting External Devices

The HP Z2 Mini G3 offers various ports for connecting external devices:

- **USB Ports:** Use these for connecting USB drives, external hard drives, printers, and other USB-compatible accessories.
- **DisplayPort:** Connect monitors or projectors for video output. This workstation supports multiple displays.
- **Ethernet Port:** For a stable wired network connection.



Image: HP Z2 Mini G3 Workstation Desktop shown mounted behind a monitor. This illustrates a common deployment scenario for space-saving.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your workstation.

- **Cleaning:**

- Use a soft, dry cloth to clean the exterior surfaces.
- Periodically use compressed air to clear dust from ventilation grilles to prevent overheating. Ensure the system is powered off before cleaning vents.
- Avoid using liquid cleaners directly on the workstation.

- **Software Updates:** Regularly check for and install Windows updates and driver updates for your NVIDIA Quadro M620 graphics card and other components. This ensures system stability and security.
- **Data Backup:** Regularly back up important data to an external drive or cloud storage to prevent data loss.
- **System Health Check:** Utilize Windows Defender or other antivirus software to perform regular system scans for malware.

TROUBLESHOOTING

This section addresses common issues you might encounter with your HP Z2 Mini G3 Workstation.

Problem	Possible Cause	Solution
No power when pressing the power button.	Power cord not connected, power outlet issue, or power supply failure.	Ensure the power cord is securely connected to both the workstation and the electrical outlet. Test the outlet with another device.
No display on monitor.	Monitor not connected, incorrect input selected on monitor, or display driver issue.	Verify monitor cables are securely connected to the DisplayPort. Check the monitor's input source. Restart the workstation.
System is slow or unresponsive.	Too many applications running, low disk space, or malware.	Close unnecessary applications. Check disk space and free up storage. Run a full system scan with antivirus software.
Keyboard or mouse not working.	Loose connection, faulty device, or driver issue.	Ensure USB cables are firmly connected. Try different USB ports. Test with another keyboard/mouse if available.

SPECIFICATIONS

Detailed technical specifications for the HP Z2 Mini G3 Workstation Desktop:

Feature	Detail
Model Name	HP Z2 Mini G3 Workstation Desktop
Processor	Intel Core i7-7700 (up to 4.2GHz, 4 Cores, 8 Threads)
Graphics	NVIDIA Quadro M620 (2GB GDDR5 Dedicated)
RAM	8GB DDR4 SDRAM
Storage	256GB SSD
Operating System	Windows 11 Pro
Connectivity	DisplayPort, USB (USB 2.0/3.0), Ethernet
Form Factor	Mini PC
Built-In Media	Keyboard, Mouse
UPC	762221967448

WARRANTY AND SUPPORT

This HP Z2 Mini G3 Workstation Desktop comes with a **90-Day Warranty**. For technical assistance or warranty claims, please refer to the documentation provided with your purchase or visit the official HP support website. For additional support resources, you may visit www.hp.com/support.