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Dell OptiPlex 3090 Micro

Dell OptiPlex 3090 Micro Desktop User Manual

Model: OptiPlex 3090 Micro

INTRODUCTION

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your Dell OptiPlex 3090 Micro Desktop. Please read this guide thoroughly before using your device to ensure proper functionality and longevity.





Figure 1: Dell OptiPlex 3090 Micro Desktop

The Dell OptiPlex 3090 Micro is a compact and powerful desktop computer designed for various computing tasks. It features an Intel Core i5-10500T processor, 32GB of DDR4 RAM, and a 1TB PCIe SSD, running on Windows 11 Pro.

SETUP

1. Unpacking

Carefully remove all components from the packaging. Ensure the following items are present:

- Dell OptiPlex 3090 Micro Desktop
- Power Adapter and Cable
- Wired Keyboard
- Wired Mouse
- Documentation (this manual, safety information)

2. Connecting Peripherals

Connect your keyboard, mouse, and monitor to the appropriate ports on the desktop.



Figure 2: Desktop with connected peripherals

2.1. Keyboard and Mouse

Connect the wired keyboard and mouse to any available USB 3.2 Gen 1 ports on the desktop. These ports are typically blue internally.

2.2. Monitor

Connect your monitor to one of the two DisplayPort (DP) outputs on the rear of the desktop. Ensure the monitor is also connected to a power source and turned on.





Figure 3: Rear ports including DisplayPort and USB

3. Powering On

Connect the power adapter to the desktop's power input and then plug the power cable into a wall outlet. Press the power button located on the front of the desktop to turn it on.





Figure 4: Front panel with power button

4. Initial Setup (Windows 11 Pro)

Upon first boot, the system will guide you through the Windows 11 Pro setup process. Follow the on-screen instructions to configure language, region, network settings, and user accounts.

5. Network Connection

5.1. Wi-Fi

During the Windows setup, you will be prompted to connect to a Wi-Fi network. Select your network from the list and enter the password if required. The system supports 802.11ac Wi-Fi.

5.2. Ethernet (Wired)

For a wired connection, connect an Ethernet cable from your router or modem to the RJ-45 port on the rear of the desktop. The system will automatically detect and configure the connection.

OPERATING INSTRUCTIONS

1. Power On/Off and Restart

- **To Power On:** Press the power button on the front panel.
- **To Shut Down:** Click the Start button in Windows, then select Power > Shut down.
- **To Restart:** Click the Start button in Windows, then select Power > Restart.
- **Force Shut Down:** If the system is unresponsive, press and hold the power button for approximately 10 seconds until the system turns off. Use this only as a last resort.

2. Using Ports

The OptiPlex 3090 Micro provides various ports for connectivity:

- **USB 3.2 Gen1 Ports:** Use these for connecting peripherals such as external drives, printers, and other USB devices. There are 5 such ports.
- **DisplayPort (DP):** Connect your monitor(s) here. The system has 2 DisplayPort outputs.
- **Headphone/Microphone Combo Jack:** Connect a headset or external speakers/microphone.
- **Ethernet (RJ-45):** For wired network connections.

3. Bluetooth Connectivity

The desktop includes Bluetooth 5.0 for connecting wireless devices such as headphones, speakers, and input devices. To pair a Bluetooth device:

1. Ensure your Bluetooth device is in pairing mode.
2. In Windows, go to **Settings > Bluetooth & devices**.
3. Turn on Bluetooth and click **Add device**.
4. Select **Bluetooth** and choose your device from the list to complete pairing.

MAINTENANCE

1. Cleaning

- **Exterior:** Use a soft, lint-free cloth lightly dampened with water or a mild cleaning solution. Avoid harsh chemicals.
- **Vents:** Periodically clean dust from the ventilation grilles using compressed air to ensure proper airflow and prevent overheating.
- **Before Cleaning:** Always power off the desktop and disconnect it from the power outlet.

2. Software Updates

Regularly update your operating system and drivers to ensure optimal performance and security. Windows Update will handle most operating system updates automatically. For Dell-specific drivers, visit the Dell support website.

3. Storage Management

Periodically review and manage your 1TB PCIe SSD storage. Delete unnecessary files, uninstall unused programs, and consider using cloud storage for large files to maintain system performance.

TROUBLESHOOTING

This section addresses common issues you might encounter.

1. No Power

- Ensure the power cable is securely connected to both the desktop and the wall outlet.
- Verify the wall outlet is functional by plugging in another device.
- Check the power adapter for any damage.

2. No Display on Monitor

- Confirm the monitor is powered on and its input source is set correctly (e.g., DisplayPort).
- Ensure the DisplayPort cable is securely connected to both the desktop and the monitor.
- Try connecting the monitor to a different DisplayPort on the desktop, if available, or test with another monitor/cable.

3. Network Connectivity Issues

- **Wi-Fi:** Check if Wi-Fi is enabled in Windows settings. Restart your router/modem. Ensure you are within range of your Wi-Fi network.
- **Ethernet:** Verify the Ethernet cable is properly connected. Check the network status in Windows settings. Restart your router/modem.

4. System Unresponsive

- If the system freezes, try pressing **Ctrl + Alt + Delete** to open Task Manager and end unresponsive tasks.
- If the system remains unresponsive, perform a force shut down by holding the power button for 10 seconds.

5. Contacting Support

If you encounter issues that cannot be resolved using this guide, please refer to the Dell support website or contact Dell customer service for assistance. Have your service tag or express service code ready.

SPECIFICATIONS

Component	Specification
Processor	Intel Core i5-10500T (10th Gen, 6-Cores, 12-Threads, 2.30GHz base, up to 3.8 GHz)
Memory (RAM)	32GB DDR4 SO-DIMM
Storage	1TB PCIe SSD
Graphics	Intel UHD Graphics 630 (Integrated)
Operating System	Windows 11 Pro (64-bit)
Wireless Connectivity	802.11ac Wi-Fi, Bluetooth 5.0
Wired Connectivity	Ethernet LAN (RJ-45)
Ports	5x USB 3.2 Gen1, 2x DisplayPort (DP), 1x Headphone/Microphone Combo Jack
Dimensions (WxLxH)	8 IN x 8 IN x 2 IN (20.32 cm x 20.32 cm x 5.08 cm)
Weight	3 lb (1.36 kg)

WARRANTY AND SUPPORT

Your Dell OptiPlex 3090 Micro Desktop is covered by Dell's standard warranty. For detailed warranty information, including terms and conditions, please refer to the documentation included with your product or visit the official Dell support website.

For technical support, driver downloads, and service requests, please visit www.dell.com/support. You will need your product's Service Tag or Express Service Code, typically found on a label on the device, to access specific support resources.

