

# Dell Precision 7960 Tower (GPU Workstation) User Manual

## 1\ Safety and Handling

Electrical Safety :

Ensure the workstation is connected to a grounded power outlet.

Avoid using the workstation during thunderstorms or in wet conditions.

Physical Safety :

Keep the workstation on a stable surface to prevent tipping.

Use caution when handling internal components; they may be sensitive to static electricity.

Heat Management :

Ensure adequate ventilation around the workstation.

Avoid blocking air vents to prevent overheating.

## 2\ Startup and Shutdown

### Startup

1. Connect Power : Ensure the workstation is plugged into a power source.

2. Power On : Press the power button located on the front panel of the tower.

3. Boot Process : Wait for the system to complete the boot process. The Dell logo will appear on the screen.

### Shutdown

1. Close Applications : Save and close all open applications.

2. Shutdown Command : Click on the Start menu, select "Power," and then choose "Shut down."

3. Power Off : Wait for the workstation to completely power down before unplugging.

## 3\ Controller or Operation Instructions

Operating System : The Dell Precision 7960 typically runs on Windows 10 or Windows 11. Ensure you are familiar with the OS interface.

Using the GPU :

For applications requiring GPU acceleration (e.g., AI workloads, 3D rendering):

Open the application and navigate to settings.

Select the option to enable GPU acceleration.

Keyboard Shortcuts :

Ctrl + Alt + Delete : Access task manager.

Windows Key + E : Open File Explorer.

Alt + Tab : Switch between open applications.

## **4\ Advanced Programming / Connectivity**

Network Connectivity :

Connect to Wi-Fi or Ethernet through the network settings in the operating system.

Remote Access :

Use remote desktop software (e.g., Microsoft Remote Desktop) for accessing the workstation remotely.

GPU Programming :

Utilize CUDA or OpenCL for programming tasks that leverage the GPU.

Install necessary SDKs (Software Development Kits) as required by your programming environment.

## **5\ AI Features and Sensing**

AI Workloads :

The workstation is optimized for AI tasks. Use frameworks like TensorFlow or PyTorch for deep learning applications.

NVIDIA GPU Features :

Leverage NVIDIA's Tensor Cores for enhanced performance in AI computations.

Use NVIDIA's CUDA Toolkit for developing GPU-accelerated applications.

## **6\ Maintenance and Troubleshooting**

### **Maintenance**

Regular Updates : Keep the operating system and drivers updated for optimal performance.

Cleanliness : Periodically clean dust from vents and components using compressed air.

### **Troubleshooting**

No Power :

Check power connections and ensure the outlet is functional.

Overheating :

Ensure that the workstation is in a well-ventilated area and that vents are not blocked.

Performance Issues :

Close unnecessary applications and check for resource usage in Task Manager.

## **7\ Additional Notes**

Warranty Information : Refer to the warranty documentation provided with the workstation for details on coverage and support.

Support Resources : For technical support, visit the Dell support website or contact the Makerspace staff for assistance.

User Community : Engage with online forums or local user groups for tips and shared experiences with the Dell Precision 7960 Tower.

This user manual provides essential information for operating the Dell Precision 7960 Tower GPU Workstation effectively and safely. For further inquiries or advanced configurations, please consult additional resources or seek assistance from knowledgeable personnel.

**Resources:**

- Manual Pdf:

[/manuals/dell\\_gpu\\_manual.pdf](/manuals/dell_gpu_manual.pdf)

- Tutorial Video:

<https://www.youtube.com/watch?v=YEbWOBE0m7Y>

- Qr Link:

<https://www.dell.com/support/home/en-us/product-support/product/precision-7960-tower/docs>