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## Lenovo 4155F1U

# Lenovo Thinkstation D20 (4155)

## USER MANUAL

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### 1. Introduction

This manual provides essential instructions for the setup, operation, maintenance, and troubleshooting of your Lenovo Thinkstation D20 (Model 4155F1U) desktop computer. Please read this manual thoroughly before using your workstation to ensure proper function and longevity.



Figure 1: Front view of the Lenovo Thinkstation D20 desktop computer tower. This image shows the optical drive bay, front panel ports, and the distinctive honeycomb-patterned front grille.

## 2. Setup

### 2.1 Unpacking and Placement

- Carefully remove the workstation from its packaging. Retain all packaging materials for future transport.
- Place the workstation on a stable, flat surface with adequate ventilation. Ensure there is at least 10 cm (4 inches) of clear space around all ventilation openings.

- Avoid placing the workstation near heat sources, direct sunlight, or in areas with excessive dust or humidity.

## 2.2 Connecting Peripherals

1. Connect your monitor(s) to the appropriate video output ports on the rear of the workstation.
2. Connect your keyboard and mouse to the USB ports.
3. Connect any other peripherals (e.g., printer, external hard drive) to available USB or other relevant ports.
4. For network access, connect an Ethernet cable to the RJ-45 port on the rear of the workstation, or install a wireless adapter if desired.

## 2.3 Power Connection

- Ensure the workstation's power switch (if present) is in the OFF position.
- Connect the power cord to the power connector on the rear of the workstation.
- Plug the other end of the power cord into a grounded electrical outlet.

## 3. Operating Instructions

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### 3.1 Powering On and Off

- **To Power On:** Press the power button located on the front panel of the workstation. The power indicator light will illuminate.
- **To Power Off:**
  - a. Save all open work and close all applications.
  - b. Initiate the shutdown process through your operating system (e.g., Start > Power > Shut down in Windows).
  - c. Wait for the workstation to completely power down.
- **Force Shutdown (Use only when necessary):** Press and hold the power button for approximately 5-10 seconds until the workstation powers off.

### 3.2 Using Front Panel Ports

The front panel provides convenient access to various ports for connecting temporary peripherals.

- **USB Ports:** For connecting USB devices such as flash drives, external hard drives, or charging mobile devices.
- **Audio Jacks:** Headphone output and microphone input for audio peripherals.
- **Card Reader:** For reading various memory card formats (if equipped).

## 4. Maintenance

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### 4.1 Cleaning

- **Exterior:** Use a soft, lint-free cloth lightly dampened with water or a mild, non-abrasive cleaner. Avoid spraying liquids directly onto the workstation.
- **Ventilation Openings:** Periodically clean dust from the ventilation openings using compressed air or a soft brush to ensure proper airflow and prevent overheating.
- **Internal Components:** Internal cleaning should only be performed by qualified personnel.

### 4.2 Software Updates

Regularly update your operating system, drivers, and security software to ensure optimal performance and protection against security threats. Refer to your operating system's documentation for specific update procedures.

### 4.3 Data Backup

Regularly back up your important data to an external storage device or cloud service to prevent data loss.

## 5. Troubleshooting

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This section provides solutions to common issues you might encounter.

### 5.1 No Power

- Ensure the power cord is securely connected to both the workstation and the electrical outlet.
- Verify the electrical outlet is functional by plugging in another device.
- Check the power supply unit (PSU) switch on the rear of the workstation, if present, to ensure it is in the ON position.

### 5.2 No Display on Monitor

- Confirm the monitor is powered on and its power indicator light is active.
- Check that the video cable is securely connected to both the workstation and the monitor.
- Ensure the monitor's input source is correctly selected (e.g., HDMI, DisplayPort, DVI).
- If using multiple monitors, try connecting only one monitor to isolate the issue.

### 5.3 System Freezes or Crashes

- Perform a force shutdown by holding the power button.
- Restart the workstation and check for any error messages.
- Ensure your operating system and drivers are up to date.
- Check for adequate ventilation to prevent overheating.

## 6. Specifications

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The following table outlines the key specifications for the Lenovo Thinkstation D20 (Model 4155F1U).

Feature	Specification
Brand	Lenovo
Model Number	4155F1U
Processor	Xeon X5650 (2.66 GHz)
Memory (RAM)	4 GB DDR3 SDRAM (1333 MHz)
Total USB Ports	10
Item Dimensions (L x W x H)	8.27 x 23.7 x 19.09 inches
Item Weight	59.8 Pounds
Processor Count	6
Model Year	2011
UPC	885976423165
ASIN	B0047AWLLK

## 7. Warranty and Support

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## 7.1 Product Warranty

Your Lenovo Thinkstation D20 is covered by a limited warranty. For detailed information regarding warranty terms, conditions, and duration, please refer to the warranty documentation included with your purchase or visit the official Lenovo support website.

## 7.2 Technical Support

For technical assistance, driver downloads, or further support, please visit the official Lenovo support website or contact Lenovo customer service. Have your product model number (4155F1U) and serial number ready when contacting support.

[Visit Lenovo Support Website](#)

