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Lenovo ThinkPad P52s 20LB0028US

Lenovo ThinkPad P52s 20LB0028US Laptop User Manual

Model: ThinkPad P52s 20LB0028US

INTRODUCTION

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your Lenovo ThinkPad P52s 20LB0028US laptop. Please read this guide thoroughly to ensure proper use and to maximize the performance and longevity of your device.



Image: The Lenovo ThinkPad P52s laptop, showcasing its professional design with the screen displaying data visualizations and the keyboard visible.

SETUP

1. Unboxing and Initial Inspection

- Carefully remove the laptop and all accessories from the packaging.
- Verify that all components are present: laptop, power adapter, and documentation.
- Inspect the laptop for any visible damage.

2. Connecting the Power Adapter

- Connect the power adapter to the laptop's power input port.
- Plug the power cord into a grounded electrical outlet.
- Allow the battery to charge for at least 30 minutes before initial use, or until the battery indicator shows sufficient charge.

3. Initial Power On and Operating System Setup

- Open the laptop lid and press the power button.
- Follow the on-screen instructions to complete the Windows 10 Pro setup, including language selection, network connection, and user account creation.

4. Connecting Peripherals

The ThinkPad P52s offers various ports for connecting external devices. Refer to the image below for port locations.



Image: A side view of the Lenovo ThinkPad P52s laptop, highlighting its various connectivity ports such as USB, HDMI, and Ethernet.

- **USB Devices:** Connect USB mice, keyboards, external drives, or other peripherals to the available USB ports.
- **External Display:** Use the HDMI or other display output ports to connect an external monitor or projector.
- **Network Cable:** For a wired internet connection, plug an Ethernet cable into the RJ-45 port.

OPERATING THE LAPTOP

1. Power Management

- **Power On:** Press the power button located on the top right of the keyboard deck.
- **Sleep Mode:** Close the lid or select "Sleep" from the Windows Start menu.
- **Shut Down:** Select "Shut down" from the Windows Start menu.
- **Restart:** Select "Restart" from the Windows Start menu.

2. Keyboard and Input Devices

The ThinkPad P52s features a full-sized keyboard, a TrackPoint pointing device, and a multi-touch touchpad.



Image: A top-down view of the Lenovo ThinkPad P52s, showing the keyboard layout, the red TrackPoint in the center, and the touchpad below the spacebar.

- **Keyboard:** Use for typing. Function keys (Fn) combined with F1-F12 provide quick access to system controls like volume, brightness, and wireless settings.
- **TrackPoint:** Use the red pointing stick in the center of the keyboard to move the cursor. The three buttons below the spacebar function as left-click, scroll, and right-click.
- **Touchpad:** Use for multi-touch gestures and cursor control. Tap to click, two-finger scroll, and pinch-to-zoom are supported.

3. Touchscreen Functionality

Your laptop is equipped with a 15.6-inch IPS touchscreen. You can interact with the display directly using your fingers for navigation, selection, and gestures.

- **Tap:** Equivalent to a mouse click.
- **Tap and Hold:** Equivalent to a right-click.
- **Swipe:** Scroll through content or navigate between screens.
- **Pinch-to-Zoom:** Use two fingers to zoom in or out on images and documents.

4. Wireless Connectivity

- **Wi-Fi:** Click the Wi-Fi icon in the taskbar, select your desired network, and enter the password if prompted.
- **Bluetooth:** Enable Bluetooth from Windows Settings to connect wireless accessories like headphones or mice.

MAINTENANCE

1. Cleaning the Laptop

- **Screen:** Use a soft, lint-free cloth lightly dampened with water or a screen-cleaning solution. Do not spray liquid directly onto the screen.
- **Chassis and Keyboard:** Use a soft, dry cloth. For stubborn dirt, a slightly damp cloth with mild soap can be used, ensuring no liquid enters openings.
- **Ports:** Use compressed air to gently remove dust from ports.

2. Battery Care

- Avoid extreme temperatures.
- Do not fully discharge the battery regularly.
- If storing the laptop for an extended period, ensure the battery is charged to about 50-60%.

3. Software Updates

- Regularly check for and install Windows updates via "Settings > Update & Security > Windows Update".
- Keep device drivers updated. Lenovo Vantage software can assist with this.

4. Storage Management

- Periodically delete unnecessary files and uninstall unused programs to free up storage space.
- Consider using cloud storage for large files.

TROUBLESHOOTING

1. Laptop Does Not Power On

- Ensure the power adapter is securely connected to both the laptop and a working electrical outlet.
- Check if the power outlet is functional by plugging in another device.
- If the battery is completely drained, allow it to charge for some time before attempting to power on.

2. Display Issues

- **No Display:** Connect an external monitor to check if the issue is with the laptop's internal screen. If the external monitor works, the internal display or its connection may be faulty.
- **Dim Display:** Adjust screen brightness using the function keys (e.g., Fn + F5/F6).
- **Incorrect Resolution:** Right-click on the desktop, select "Display settings," and adjust the resolution.

3. Wi-Fi Connectivity Problems

- Ensure Wi-Fi is enabled (check the Wi-Fi icon in the taskbar or use the appropriate function key).
- Restart your router and modem.
- Forget the network and reconnect.
- Update your wireless adapter drivers.

4. Slow Performance

- Close unnecessary applications running in the background.
- Check Task Manager (Ctrl+Shift+Esc) for processes consuming high CPU or RAM.
- Run a disk cleanup and defragmentation (for HDD, not necessary for SSD).
- Ensure Windows and drivers are up to date.

- Scan for malware or viruses.

SPECIFICATIONS

Below are the key technical specifications for the Lenovo ThinkPad P52s 20LB0028US laptop:

Feature	Detail
Model Name	Lenovo ThinkPad P52s 20LB0028US
Processor	Intel Core i7-8550U (1.8 GHz Quad-Core)
RAM	16 GB DDR4 (2400 MHz)
Storage	512 GB SSD (PCIe M.2)
Display	15.6-inch IPS Touchscreen, 1920 x 1080 pixels
Graphics	NVIDIA Quadro P500 (2GB GDDR5) & Integrated Intel UHD Graphics
Operating System	Windows 10 Pro
Wireless Connectivity	802.11g (Wi-Fi), Bluetooth (implied by modern laptop)
Dimensions (LxWxH)	14.4 x 0.8 x 9.95 inches
Weight	4.39 pounds

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