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Lenovo 40AN0230US

Lenovo ThinkPad Thunderbolt 3 Workstation Dock Gen 2 User Manual

Model: 40AN0230US

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INTRODUCTION

The Lenovo ThinkPad Thunderbolt 3 Workstation Dock Gen 2 is designed to enhance productivity by expanding connectivity options for your ThinkPad Mobile Workstation. It supports multiple 4K displays, provides optimized one-cable charging, and offers a variety of expansion ports, along with advanced network management features. Included accessories: 230W Slim type adapter, power cord, Thunderbolt 3 Workstation dock slim tip Y cable and Thunderbolt 3 workstation dock Split cable, warranty and setup poster.

SETUP

1. Unboxing and Initial Inspection

Carefully remove all components from the packaging. Verify that all included accessories are present: the ThinkPad Thunderbolt 3 Workstation Dock Gen 2 unit, 230W power adapter and power cord, Thunderbolt Split Cable (5C10V25713), Slim Tip Y-Cable (5C10V25716), and the setup/user guide.

2. Connecting the Dock to Power

Connect the 230W power adapter to the dock's power input port and then plug the power cord into an electrical outlet. Ensure the power connection is secure.

3. Connecting to Your ThinkPad Workstation

Use the provided Thunderbolt Split Cable and Slim Tip Y-Cable to connect the dock to your ThinkPad Mobile Workstation. This single connection provides power, data, and video signals to your laptop.



Image: The ThinkPad Thunderbolt 3 Workstation Dock Gen 2 with its power and data cables connected, ready for use.

4. Connecting External Displays

The dock features 2x DisplayPort and 2x HDMI ports. Connect your external monitors to these ports using appropriate cables. The dock supports up to 3 external displays, including a Thunderbolt monitor, with resolutions up to 4K. Display resolution depends on both laptop and dock capability.

5. Connecting Peripherals

Connect your USB devices (keyboard, mouse, external drives, etc.) to the available USB 3.1 Gen 2 ports. The dock includes 5x USB 3.1 Gen 2 ports, with one providing always-on mobile device charging. Connect your network cable to the Gigabit Ethernet port for a stable wired internet connection. Use the 3.5mm stereo/mic combo port for audio input/output.

Your browser does not support the video tag.

Video: An overview demonstrating the setup and various connectivity options of the Lenovo ThinkPad Thunderbolt 3 Workstation Dock Gen 2, including connecting to a laptop, external monitors, and peripherals.

OPERATING INSTRUCTIONS

Power Delivery

The dock delivers power to compatible ThinkPad notebooks. Depending on the model, it can provide up to 135W or 65W of power through the Thunderbolt connection. The dock itself uses a 230W power adapter, ensuring sufficient power for all connected devices and charging.

Display Configuration

The dock supports up to three external displays simultaneously. Connect monitors to the DisplayPort 1.4 and HDMI 2.0 ports. Ensure your laptop's graphics card and operating system are configured to extend or duplicate displays as desired.

USB Connectivity

Utilize the five USB 3.1 Gen 2 ports for high-speed data transfer (up to 10 Gbps). One of these ports supports always-on mobile device charging, allowing you to charge your smartphone or other devices even when your laptop is off or disconnected.



Image: A detailed view of the rear ports on the ThinkPad Thunderbolt 3 Workstation Dock Gen 2, showing USB, HDMI, DisplayPort, Ethernet, and power connections.

Audio Connection

The 3.5mm stereo/mic combo port allows you to connect headphones, speakers, or a headset for audio input and output.

Network Connectivity

The Gigabit Ethernet port provides a reliable wired network connection. It supports MAC address pass-through, Wake-on-LAN, and PXE boot for enhanced network manageability.

Security

A Kensington security lock slot is integrated into the dock, allowing you to secure the device to your workstation to prevent theft.

MAINTENANCE

To ensure optimal performance and longevity of your ThinkPad Thunderbolt 3 Workstation Dock Gen 2, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe the exterior of the dock. Avoid using liquid cleaners or abrasive materials, as they may damage the surface or internal components.
- **Port Care:** Keep all ports free of dust and debris. Use compressed air if necessary to gently clear any obstructions.
- **Cable Management:** Ensure cables are not excessively bent or strained, which can lead to damage over time.
- **Ventilation:** Do not block the ventilation openings on the dock to prevent overheating.

TROUBLESHOOTING

If you encounter issues with your dock, consider the following steps:

- **No Power:** Ensure the power adapter is securely connected to both the dock and a working electrical outlet. Check the power indicator light on the dock.
- **No Display Output:** Verify that the Thunderbolt Split Cable and Slim Tip Y-Cable are correctly connected to your laptop. Check that display cables (HDMI/DisplayPort) are securely connected to both the dock and the monitors. Ensure your laptop's display settings are configured for external monitors.
- **USB Devices Not Recognized:** Try connecting the USB device to a different port on the dock. Ensure the device drivers are installed on your laptop.
- **Network Connectivity Issues:** Check the Ethernet cable connection to both the dock and your router/modem. Verify network settings on your laptop.
- **Compatibility:** Ensure your ThinkPad laptop is compatible with the Thunderbolt 3 Workstation Dock Gen 2. Refer to your laptop's specifications or Lenovo's support website for compatibility information.
- **Firmware and Drivers:** For optimal performance and to resolve potential issues, ensure that the latest firmware and drivers for the dock are installed. These can typically be found on the Lenovo support website.

SPECIFICATIONS

Brand	Lenovo
Series	ThinkPad Thunderbolt 3 Workstation Dock Gen 2
Model Number	40AN0230US WORKSTAION DOCK USA 230W AC
Hardware Platform	PC
Item Weight	1.2 pounds
Product Dimensions	3.15 x 8.66 x 1.18 inches
Color	Black
Power Source	AC
Hardware Interface	Thunderbolt
Compatible Devices	Workstation
Total USB Ports	5 (USB 3.1 Gen 2)
Number of Ports	Multiple (2x DisplayPort, 2x HDMI, 1x Thunderbolt 3 DownStream, 5x USB 3.1 Gen 2, 1x Gigabit Ethernet, 1x 3.5mm combo audio)
Total HDMI Ports	2
Wattage	230 watts (power adapter)

WARRANTY & SUPPORT

This product comes with a manufacturer's warranty. Please refer to the warranty information included in your product packaging for details on coverage and duration. For technical support, driver downloads, or further assistance, please visit the official Lenovo support website or contact their customer service.