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> MSI PRO DP180 Business Tower Desktop User Manual

msi DP180

MSI PRO DP180 Business Tower Desktop User Manual

Model: DP180

1. INTRODUCTION

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your MSI PRO DP180 Business Tower Desktop. Please read this manual thoroughly before using the product to ensure proper functionality and longevity.



Image 1.1: MSI PRO DP180 Business Tower Desktop with included accessories.

2. SETUP GUIDE

Follow these steps to set up your MSI PRO DP180 desktop computer.

2.1 Unpacking and Placement

1. Carefully remove the desktop, keyboard, mouse, and power cable from the packaging.
2. Place the desktop on a stable, flat surface with adequate ventilation. Ensure no vents are obstructed.

2.2 Connecting Peripherals

Refer to the diagram below for port identification and connect your peripherals.

Support Up To 8K Resolution

PRO DP180 allows you to enjoy the best viewing experience with your family, even the 8K display, or attending online conference call while working in the office or learning professional tasks at home.

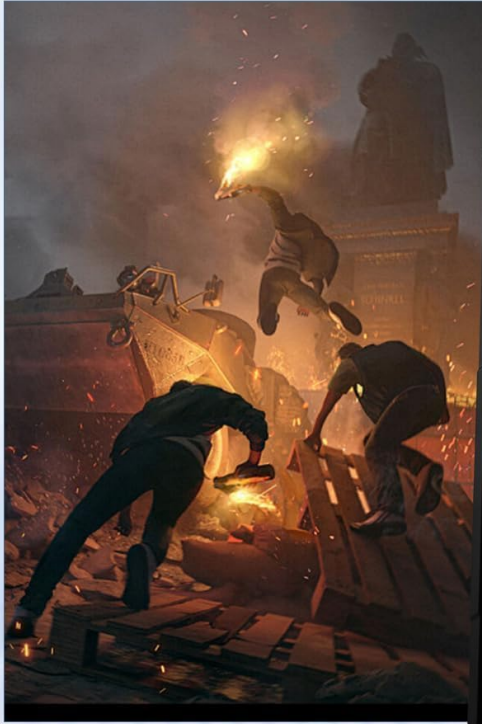


Image 2.1: Front and Rear I/O Ports of the MSI PRO DP180.

- **Power:** Connect the power cable to the power supply port (labeled 14 in Image 2.1, rear view) and then to a power outlet.
- **Display:** Connect your monitor(s) to the HDMI (6) or DisplayPort (7) on the rear. The system supports multiple displays.
- **Keyboard and Mouse:** Connect the wired keyboard and mouse to any available USB Type-A ports (e.g., 2, 3, 8, 9, 10).
- **Network:** For a wired connection, connect an Ethernet cable to one of the RJ-45 LAN ports (9, 10). For wireless, the system supports Wi-Fi 6E.
- **Audio:** Connect headphones or speakers to the headphone-out port (1) on the front or the audio jacks (11) on the rear.

2.3 Initial Power On

1. Press the power button located on the front of the desktop.
2. Follow the on-screen instructions to complete the Windows 11 Pro initial setup. This may include setting up your user account, network connection, and privacy settings.

3. OPERATING INSTRUCTIONS

3.1 System Performance

Your MSI PRO DP180 is equipped with an Intel Core i7-13700 processor, 64GB DDR4 RAM, and a 2TB PCIe NVMe M.2 SSD, providing robust performance for business applications and multitasking.

Windows 11 Pro

Intel Core
i7-13700

Up to **16** Cores
Up to **24** Threads

**High durability
timeless and
ever-lasting**

Up to
64GB DDR4
SODIMM

Up to
2TB PCIe
M.2 SSD

Wi-Fi 6 E & Dual LAN

**Micro SD
& SD Card**

Image 3.1: Key specifications and features of the MSI PRO DP180.

3.2 Connectivity

- **Wi-Fi 6E:** The integrated Wi-Fi 6E module offers enhanced transmission security and improved signal stability, supporting speeds up to 2.4Gbps for connecting multiple devices simultaneously.

Built-in Card Reader

The PRO DP180 supports both SD and Micro-SD cards via the built-in card reader, you can transfer files in the most intuitive way.



Image 3.2: Wi-Fi 6E connectivity features.

- **Dual LAN:** The system supports 2.5Gbps and 1Gbps Ethernet LAN for high-bandwidth and low-latency network connections. Dual LAN also provides enhanced network security.
- **USB Ports:** Utilize the various USB Type-A and Type-C ports for connecting external devices, including USB 3.2 Gen 2 Type-C for fast data transfers.



Hardware TPM Module Support

Hardware TPM (Trusted Platform Module) module is designed to provide hardware-based, security-related functions. You can store your sensitive data & passwords by encryption keys for advanced security.

Image 3.3: USB 3.2 Gen 2 Type-C port for high-speed data transfer.

- **SD Card Reader:** The built-in card reader supports both standard SD and Micro-SD cards for convenient file transfers.

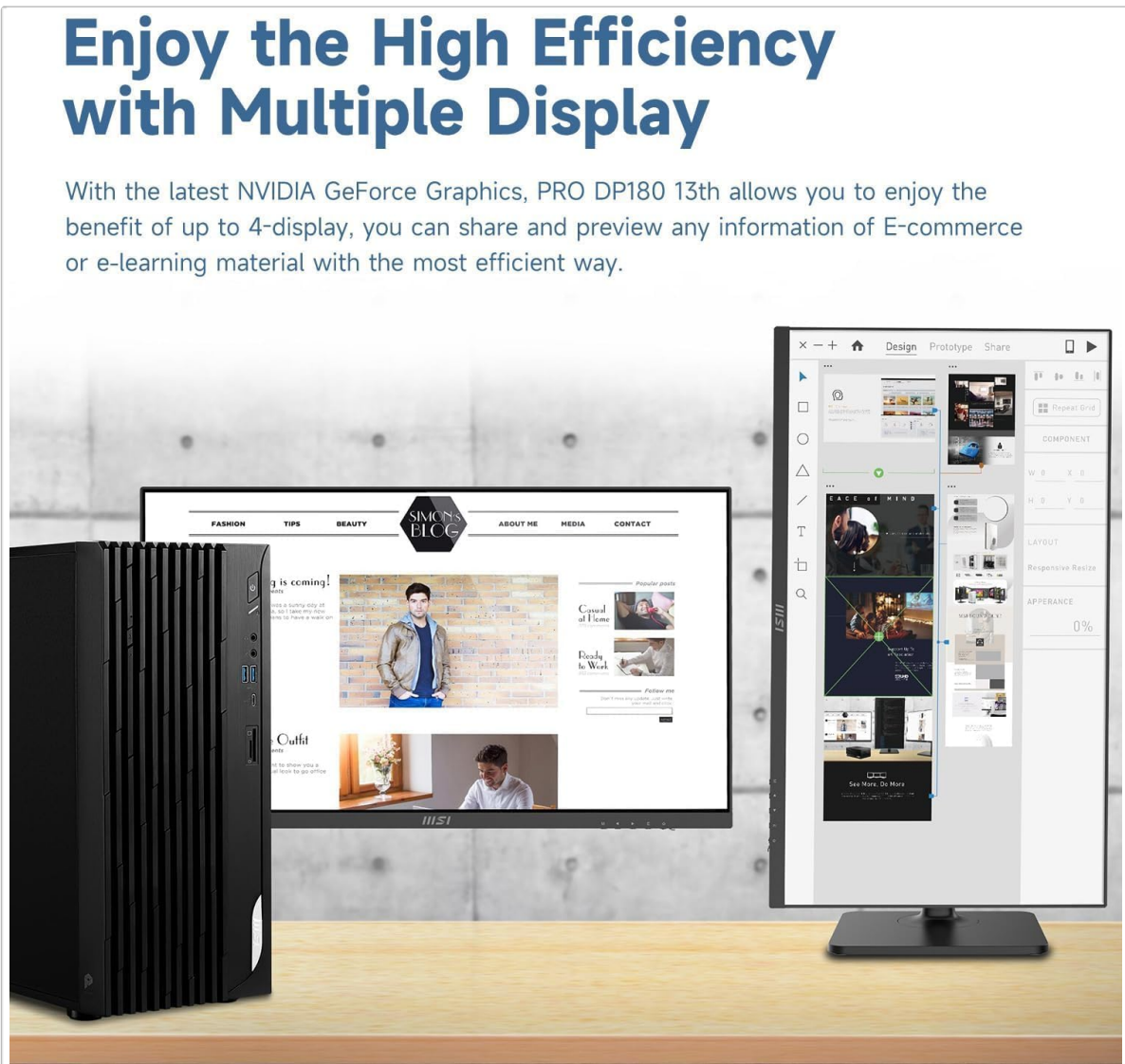


Image 3.4: Built-in SD Card Reader.

- **COM Port:** The COM port allows connection to various POS (Point of Sale) devices such as barcode scanners and receipt printers.

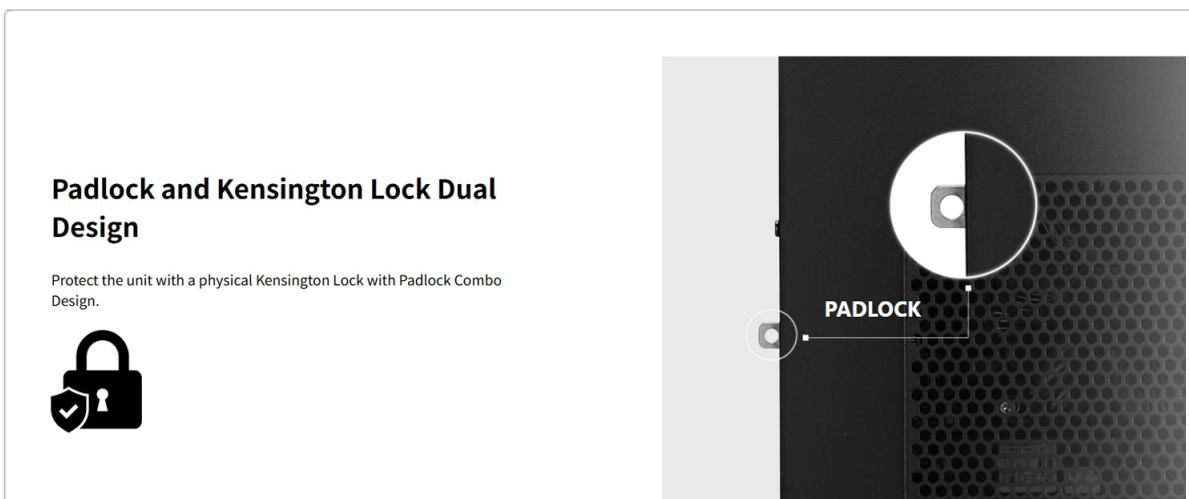


Image 3.5: COM Port for specialized device connectivity.

3.3 Display Configuration

The PRO DP180 supports multiple displays, allowing for an extended workspace and efficient multitasking. It also supports up to 8K resolution for high-quality visual experiences.

Optical Disc Drive (ODD) Support

The PRO DP180 includes Optical Disc Drive (ODD) support, enabling straightforward access to CD/DVD media for efficient files transfers, software installations, and data backup management.

The ODD may vary from model to model



Image 3.6: Multi-display setup for enhanced productivity.

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Business



Hostel & Restaurant



Education



Medical & Science

Image 3.7: Support for up to 8K resolution.

3.4 Optical Disc Drive (ODD)

The PRO DP180 includes support for an Optical Disc Drive (ODD), enabling access to CD/DVD media for file transfers, software installations, and data backup. Note that the ODD may vary by model or be an optional component.

Various I/O Ports

With a various array of I/O ports, it can connect all devices you need at the same time so you can multi-task with those devices to make you work more efficiently.



Front:

1. 1x Headphone-out
2. 1x Mic-in
3. 2x USB 3.2 Gen 1 Type A
4. 1x USB 3.2 Gen 2 Type C
5. 1x Card Reader (SD & Micros SD card support)

Rear:

6. 1x HDMI™ out (2.1), 1x DisplayPort (1.4)
7. 1x D-Sub (VGA)
8. 2x USB 2.0 Type A, 1x PS/2
9. 1x USB 3.2 Gen 1 Type A, 1x 2.5G LAN
10. 2x USB 2.0 Type A, 1x RJ45 LAN (1G)
11. 3x Audio Jacks
12. 1x Padlock
13. 1x COM Port
14. 1x Kensington Lock

Image 3.8: Optical Disc Drive (ODD) support.

4. MAINTENANCE

Regular maintenance helps ensure the optimal performance and longevity of your desktop.

- **Cleaning:** Periodically clean the exterior of the desktop with a soft, dry cloth. Use compressed air to clear dust from vents and ports to prevent overheating.
- **Software Updates:** Keep your Windows 11 Pro operating system and drivers updated to the latest versions for security and performance improvements.
- **Data Backup:** Regularly back up important data to an external drive or cloud storage to prevent data loss.
- **Security:** The PRO DP180 features Hardware TPM Module Support for enhanced security, allowing storage of sensitive data and passwords with encryption keys.

Built-in Card Reader

The PRO DP180 supports both SD and Micro-SD cards via the built-in card reader, you can transfer files in the most intuitive way.



Image 4.1: Hardware TPM Module Support for data security.

- **Physical Security:** The desktop includes a Padlock and Kensington Lock dual design to protect the unit from theft.

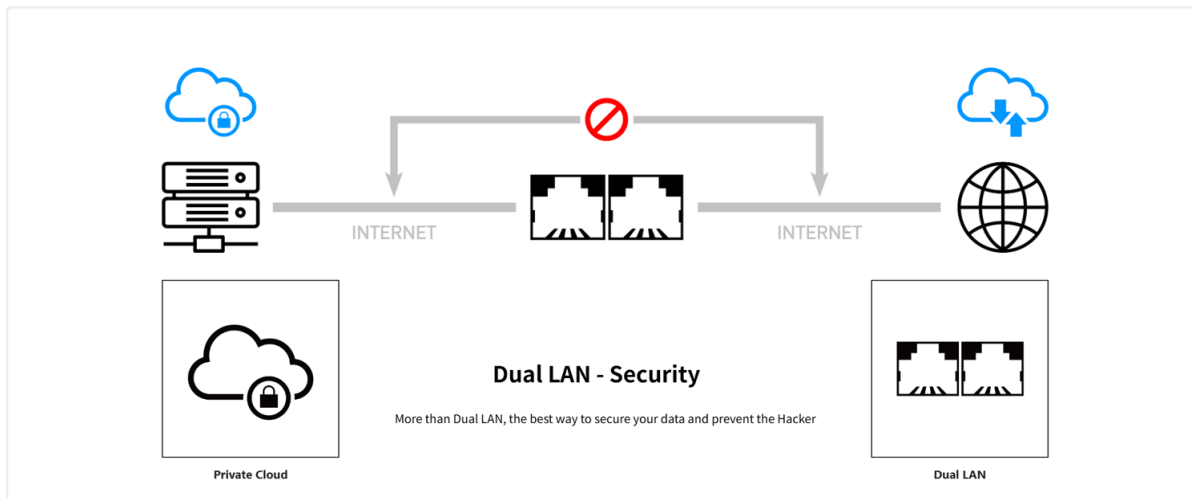


Image 4.2: Physical security features: Padlock and Kensington Lock.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your MSI PRO DP180 desktop.

5.1 No Power

- Ensure the power cable is securely connected to both the desktop and a working power outlet.
- Verify the power outlet is functional by plugging in another device.

5.2 No Display

- Check that the monitor is powered on and the video cable (HDMI or DisplayPort) is securely connected to both the desktop and the monitor.
- Try connecting the monitor to a different video port on the desktop, if available.
- Test the monitor with another computer or device to confirm it is working correctly.

5.3 Network Connectivity Issues

- **Wired Connection:** Ensure the Ethernet cable is properly connected to the LAN port on the desktop and your router/modem. Check the router/modem status.

- **Wireless Connection:** Verify that Wi-Fi is enabled in Windows settings. Check if your Wi-Fi network is visible and you are entering the correct password. Restart your router/modem.

5.4 System Slowdown

- Close unnecessary applications running in the background.
- Check for and install any pending Windows updates or driver updates.
- Run a system scan for malware or viruses.

6. SPECIFICATIONS

Feature	Detail
Brand	msi
Model Name	DP180
Processor	Intel Core i7-13700 (16 Cores, 24 Threads, up to 5.2GHz)
RAM	64 GB DDR4 (3200 MHz)
Storage	2 TB PCIe NVMe M.2 SSD
Graphics	Intel UHD Graphics (Integrated)
Operating System	Windows 11 Pro
Wireless Connectivity	Wi-Fi 6E (802.11ax), Bluetooth
Wired Connectivity	2 x RJ-45 (2.5G LAN, 1G LAN)
Front I/O Ports	1x Headphone-out, 1x Mic-in, 2x USB 3.2 Gen 1 Type A, 1x USB 3.2 Gen 2 Type C, 1x Card Reader (SD & Micro SD)
Rear I/O Ports	1x HDMI (2.1), 1x DisplayPort (1.4), 1x D-Sub (VGA), 2x USB 2.0 Type A, 1x PS/2, 2x USB 3.2 Gen 1 Type A, 1x 2.5G LAN, 1x 1G LAN, 3x Audio Jacks, 1x COM Port
Dimensions (LxWxH)	14.53 x 14.53 x 6.61 inches
Weight	20 pounds
Included Components	MSI PRO Desktop, Wired Keyboard, Wired Mouse

7. WARRANTY AND SUPPORT

Your MSI PRO DP180 desktop comes with the following warranty coverage:

- A **1-year warranty** on the upgraded RAM and SSD is provided by PCOnline US.
- All other components retain the original **1-year manufacturer's warranty** from MSI.

For technical support or warranty claims, please contact the respective service provider.