HP hp 290

HP 2024 Business Tower Desktop PC User Manual

Model: hp 290

1. INTRODUCTION

This manual provides essential information for setting up, operating, and maintaining your HP 2024 Business Tower Desktop PC, Model hp 290. This system is equipped with a 12th Gen Intel Processor, Windows 11 Pro, and offers versatile connectivity options including HDMI, VGA, DVD-RW, and Wi-Fi. Please read this manual thoroughly to ensure proper use and to maximize the performance and longevity of your device.

2. INITIAL SETUP

Follow these steps to set up your HP Business Tower Desktop PC:
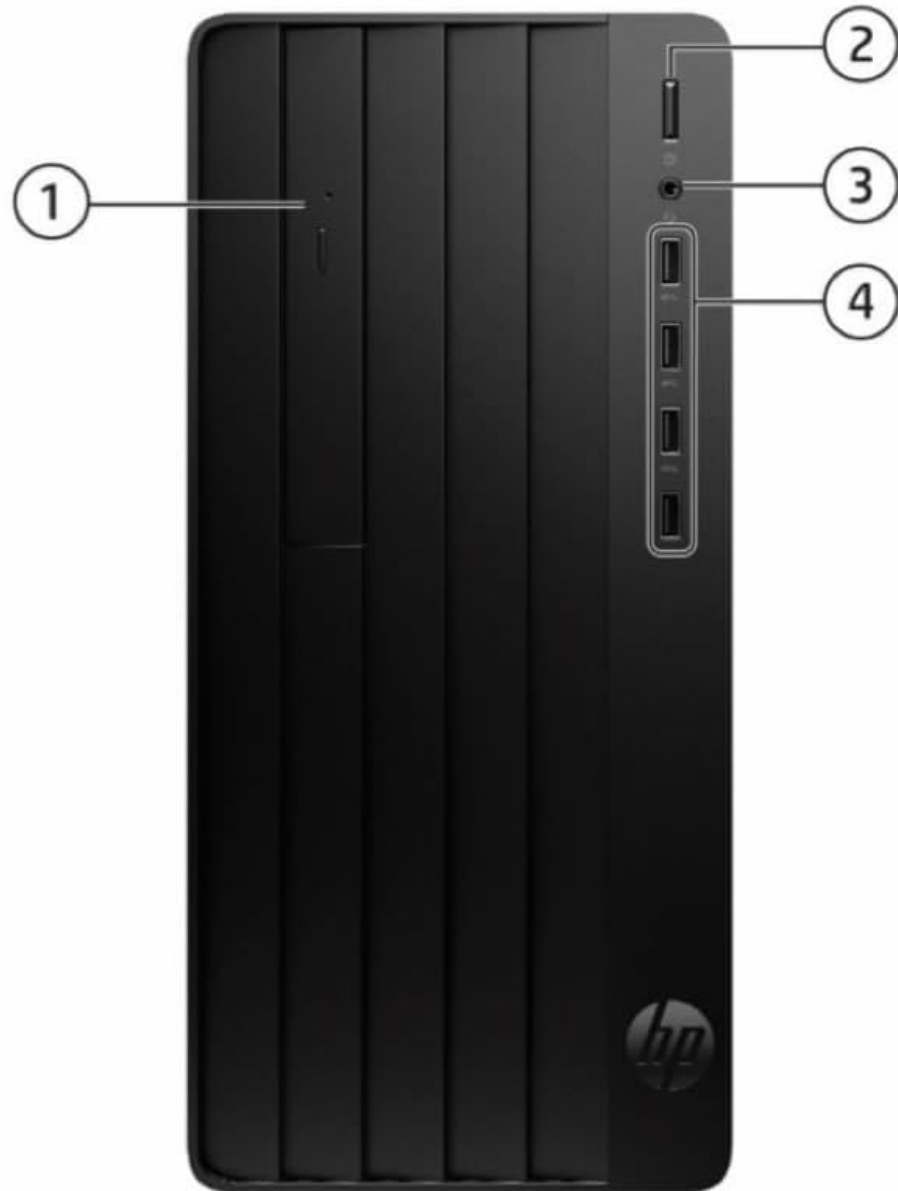
1. **Unpack the System:** Carefully remove the desktop PC and all accessories from the packaging. Ensure all components are present.
2. **Connect Peripherals:**
   - Connect your monitor(s) to the available video ports (HDMI, VGA) on the rear panel.
   - Connect the included HP 125 wired USB keyboard and mouse to any available USB ports on the front or rear panel.
   - Connect any other desired peripherals such as printers, external drives, or audio devices.
3. **Connect to Power:** Plug the power cord into the power connector on the rear of the desktop, then plug the other end into a grounded electrical outlet.
4. **Connect to Network (Optional):** For a wired connection, connect an Ethernet cable from your router or modem to the RJ-45 network port on the rear panel. For wireless connectivity, ensure your Wi-Fi network is available after powering on.
5. **Power On:** Press the power button located on the front panel of the desktop. The system will boot up and guide you through the initial Windows 11 Pro setup process.

3. HARDWARE OVERVIEW

3.1 Front Panel
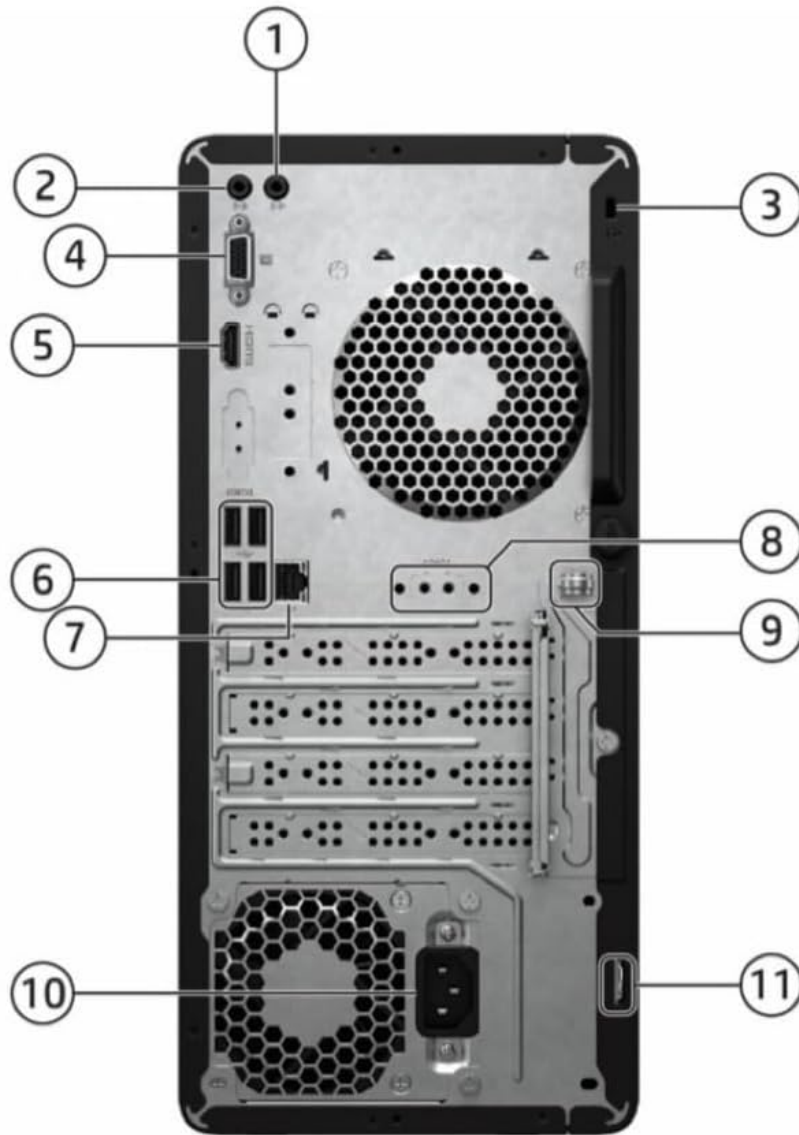
HP Pro Tower 290 G9 Desktop PC

1. Slim-height Bay - supporting an optical disk drive (Optional)
2. Power Button
3. Combo jack, Headphone/ Microphone
4. (4) SuperSpeed USB 5Gbps signaling rate port[1]

This image displays the front panel of the HP Pro Tower 290 G9 Desktop PC. Key features include: 1. Slim-height Bay (for optional optical disk drive), 2. Power Button, 3. Combo jack (Headphone/Microphone), and 4. SuperSpeed USB 5Gbps signaling rate ports.

- **1. Slim-height Bay:** Supports an optional optical disk drive (e.g., DVD-RW).
- **2. Power Button:** Turns the computer on or off.
- **3. Combo Jack:** Connects headphones, microphones, or headset devices.
- **4. SuperSpeed USB 5Gbps Signaling Rate Ports:** High-speed USB ports for connecting peripherals.

3.2 Rear Panel

1.	Audio Line out	6.	Connector (4) USB 2.0 port
2.	Audio Line in	7.	RJ-45 Network
3.	Standard lock slot	8.	Serial port (optional)
4.	VGA Port[1]	9.	Integrated accessories cable lock
5.	HDM Port[1]	10.	Power Cord Connector[2]
		11.	Padlock Loop

This image illustrates the rear panel of the HP Pro Tower 290 G9 Desktop PC. Identified ports and features are: 1. Audio Line out, 2. Audio Line in, 3. Standard lock slot, 4. VGA Port, 5. HDMI Port, 6. Connector (4) USB 2.0 ports, 7. RJ-45 Network port, 8. Serial port (optional), 9. Integrated accessories cable lock, 10. Power Cord Connector, and 11. Padlock Loop.

- **1. Audio Line Out:** Connects to external speakers or headphones.
- **2. Audio Line In:** Connects to audio input devices.
- **3. Standard Lock Slot:** For security cables to deter theft.
- **4. VGA Port:** Connects to a monitor using a VGA cable.
- **5. HDMI Port:** Connects to a monitor or display using an HDMI cable.
- **6. USB 2.0 Ports:** Standard USB ports for connecting peripherals.
- **7. RJ-45 Network Port:** Connects to a wired network using an Ethernet cable.
- **8. Serial Port (Optional):** For connecting legacy serial devices.
- **9. Integrated Accessories Cable Lock:** Secures cables to prevent unauthorized removal.
- **10. Power Cord Connector:** Connects the power cord to the desktop.
- **11. Padlock Loop:** For securing the chassis with a padlock.

4. Operating System

Your HP Business Tower Desktop PC comes pre-installed with **Windows 11 Pro, 64-bit**. This operating system provides a secure and efficient environment for business and personal use. For detailed information on Windows 11 Pro features and usage, please refer to the official Microsoft documentation or support resources.

5. Connectivity

5.1 Wi-Fi

This image features the HP Business Tower Desktop with a graphic overlay emphasizing its built-in Wi-Fi wireless network capability, allowing for cable-free internet connectivity.

The desktop features built-in Wi-Fi for wireless network connectivity. To connect to a Wi-Fi network:

1. Click the Wi-Fi icon in the system tray (bottom-right corner of the screen).

2. Select your desired network from the list of available networks.

3. Enter the network security key (password) if prompted.

4. Click 'Connect'.

5.2 Bluetooth

Bluetooth functionality is integrated, allowing you to connect compatible wireless devices such as headphones, speakers, and mobile phones. To manage Bluetooth devices, navigate to **Settings > Bluetooth & devices** in Windows 11 Pro.

6. OPTICAL DRIVE

The HP Business Tower Desktop PC includes an HP 9.5 mm Slim DVD-Writer (DVD-RW). This drive supports reading and writing to various CD and DVD formats. To use the optical drive, gently press the eject button on the drive bay to open it, place your disc, and close the tray. The operating system will typically detect the disc automatically.

7. INCLUDED ACCESSORIES

This image shows the included HP 125 wired USB keyboard and mouse in black, positioned next to the HP Business Tower

Desktop. The desktop dimensions are indicated as approximately 11.97 inches (depth), 6.12 inches (width), and 13.28 inches (height).

Your desktop package includes an **HP 125 Wired USB Keyboard** (UK QWERTY layout) and a matching **HP 125 Wired USB Mouse**, both in black. Connect these peripherals to any available USB ports on your desktop.

8. TECHNICAL SPECIFICATIONS

Feature	Detail
Brand	HP
Model	hp 290
Processor	12th Gen Intel Core i3-12100 (up to 4.3 GHz, 4 cores, 8 threads)
RAM	16 GB DDR4
Storage	1TB SSD + 1TB HDD
Operating System	Windows 11 Pro, 64-bit
Graphics	Intel UHD Graphics (Integrated)
Optical Drive	HP 9.5 mm Slim DVD-Writer (DVD-RW)
Front Ports	2x USB Type-A 10Gbps, 4x USB Type-A 5Gbps, 1x Headphone/Microphone combo jack
Rear Ports	2x USB Type-A, 1x VGA, 1x Ethernet (RJ-45), 1x HDMI 1.4b, 1x Power connector, 1x Line In, 1x Line Out
Connectivity	Wi-Fi, Bluetooth, Ethernet
Dimensions (L x W x H)	11.92 x 6.10 x 13.27 inches
Weight	Approximately 10.5 lbs
Color	Black

9. MAINTENANCE

To ensure optimal performance and longevity of your HP Business Tower Desktop PC, consider the following maintenance tips:

- **Keep it Clean:** Regularly 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. This ensures security, stability, and access to the latest features.
- **Data Backup:** Regularly back up important data to an external drive or cloud storage to prevent data loss.
- **Proper Ventilation:** Ensure the desktop is placed in a well-ventilated area, away from direct sunlight or heat sources, to allow for proper airflow.
- **Power Management:** Utilize Windows power management settings to conserve energy and extend component lifespan.

10. TROUBLESHOOTING

This section addresses common issues you might encounter:

- **No Power:**
  - Check if the power cord is securely connected to both the desktop and the electrical outlet.
  - Verify the power outlet is functional by plugging in another device.

- **No Display on Monitor:**
  - Ensure the monitor is powered on and its video cable (HDMI or VGA) is securely connected to both the desktop and the monitor.
  - Try connecting the monitor to a different video port on the desktop if available.

- **No Internet Connection:**
  - For wired connections, check if the Ethernet cable is properly connected and your router/modem is working.
  - For Wi-Fi, ensure Wi-Fi is enabled in Windows settings and you are connected to the correct network with the correct password.
  - Restart your router/modem and the desktop.

- **Peripherals Not Responding:**
  - Ensure USB devices (keyboard, mouse) are securely plugged into the USB ports.
  - Try connecting the device to a different USB port.
  - Restart the desktop.

For more advanced troubleshooting or issues not covered here, please refer to HP's official support website or contact their customer service.

11. WARRANTY AND SUPPORT

Your HP Business Tower Desktop PC is covered by HP's standard warranty. For specific warranty terms, duration, and service options, please refer to the warranty documentation included with your product or visit the official HP support website. Optional protection plans may also be available for extended coverage.
For technical assistance, driver downloads, and additional support resources, please visit the official HP support website: www.hp.com/support

12. USAGE SCENARIOS

This image presents a collage demonstrating the versatility of the HP Business Tower Desktop across different environments, including administrative reception, customer service, entertainment setups, IT programming workstations, general office work, and online learning.

The HP Business Tower Desktop PC is designed for a wide range of applications, making it suitable for various professional and personal environments. Its robust performance supports tasks from administrative duties and customer service operations to complex IT programming, entertainment, and online learning.

This image displays the HP Business Tower Desktop positioned on a desk, connected to a monitor, keyboard, and mouse, illustrating a typical workstation setup.