

Dell Pro 13 Premium

PA13250

Re-imaging guide for Windows

Remarques, précautions et avertissements

 **REMARQUE** : Une REMARQUE indique des informations importantes qui peuvent vous aider à mieux utiliser votre produit.

 **PRÉCAUTION** : Une PRÉCAUTION indique un risque d'endommagement du matériel ou de perte de données et vous indique comment éviter le problème.

 **AVERTISSEMENT** : Un AVERTISSEMENT indique un risque d'endommagement du matériel, de blessures corporelles ou même de mort.

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Installation overview

CAUTION: This section of the re-imaging guide covers driver installation and driver updates and is designed for computer administrators. Do not attempt to install or update drivers on the computer if you are not an administrator or if you are unsure of the procedures. Failure to follow instructions may result in permanent data loss.

NOTE: The information that is provided in this guide is only applicable to computers shipped with the Windows 11 operating system.

NOTE: Dell Technologies recommends that you download and install the device drivers from the Dell Drivers & Downloads website. Installing device drivers from a non-Dell website can cause computer performance issues or corrupt operating system files. It can also cause blue screen errors, unexpected shutdowns, or infect your computer with malicious software.

Device drivers must be updated when you reinstall the operating system using a CD, DVD, or USB drive. Device drivers must also be updated when you are facing networking, graphics, sound, or other hardware-related problems. Dell Technologies recommends that you install or update device drivers if you have performed a factory reset of your Dell computer. Use the [Dell Backup and Recovery](#) application or other factory-reset methods. The driver installation ensures that you have the latest device drivers installed on your computer and that the devices function optimally.

Installing or updating device drivers may lead to the following improvements:

- Increases in computer performance
- Patched security risks
- Expanded compatibility
- Fixed device issues
- Support for new features

However, if your computer is operating normally and there are no driver issues or Windows prompted updates driver updates may be unnecessary. Updating drivers unnecessarily may create problems.

Review the importance of each driver update on the Dell [Drivers & Downloads](#) page before assessing the need to browse an update.

Introduction

 **CAUTION:** This re-imaging guide is designed for system administrators. Do not attempt to re-image the computer if you are not an administrator or are unsure of the procedures. Failure to follow instructions may result in permanent data loss.

 **NOTE:** The information that is provided in this guide is only applicable to computers with Windows 11 installed.

Re-imaging is the process of removing all software on the computer and reinstalling the removed software. Re-imaging is required when software in the computer is corrupted or damaged. It can also be used as a means of removing harmful and malicious software in your computer. This re-imaging guide provides the steps that are required for re-imaging your computer.

This guide assists you in installing Dell-recommended software stack and settings, drivers, and applications, which are tested and validated on your computer. The installation of the listed drivers and applications as described in the guide enhances the optimal performance of your computer.

Dell also provides drivers and applications that are not included with the Windows operating system. These drivers are required to enable the following solid state drives (SSDs):

- 256 GB PCIe SSD
- 512 GB PCIe SSD
- 1 TB PCIe SSD
- 2 TB PCIe SSD

It is always recommended to re-image on a newly installed operating system and not from any previous image-build. Ensure that the BIOS settings, including SATA configurations and modes, are set appropriately. Use the latest drivers and applications when re-imaging the computer.

Order of reinstallation

NOTE: Some drivers and application installation steps may not be applicable, depending on the configuration of the computer you have ordered.

To achieve optimal performance, install the drivers and applications in the following sequence:

1. **BIOS:** Enables the operating system to be loaded into the memory and enables the initial setup process on your computer.
 2. **Windows operating system:** The operating system controls the computer's hardware to be a base on which other software can operate on.
 3. **Critical Microsoft Knowledge Base (KB) updates:** Microsoft updates that fix and optimize the operating system. For more information, see [Windows release information](#).
 4. **Intel chipset driver:** Allows Windows to communicate and adjust settings on components on the system board which includes:
 - Intel Chipset Device Software Driver
 - Intel Management Engine Components Installer
 - Intel Serial I/O Driver
 - Intel HID Event Filter Driver
 - Intel Thunderbolt Controller Driver
 - Intel Dynamic Tuning Driver
 - Intel Innovation Platform Framework Driver
 - Intel AI Boost Driver
 - Intel Platform Monitoring Technology Driver
 - Intel Integrated Sensor Solution Driver
 - Intel Manageability and Security Status Application
 5. **Graphics driver:**
 - Enhances and optimizes video performance.
 - Enables and provides additional functionality not in the native Microsoft VGA driver, including:
 - User-customizable power management features
 - Portability and behavioral profiles
 - Multiple-monitor support
 6. **Audio driver:** Enables and enhances the audio controller.
 7. **Camera driver:** Intel 2D Imaging, MCU, or Visual Sensing Controller Driver.
 8. **Camera AI Effect Opt-in driver:** If the camera AI feature is enabled.
 9. **Security drivers,** which include:
 - Goodix Fingerprint Sensor
 10. **Networking and communication drivers,** which include:
 - Wireless Local Area Network (WLAN) adapter driver: Enables and enhances the wireless adapter.
 - Bluetooth driver: Enables and enhances the Bluetooth adapter.
 11. **Install the latest updates and drivers:**
 - For commercial computers, use **Dell Update (DU)**.
 - For consumer computers, use **SupportAssist**.
- NOTE:** Drivers can be downloaded and installed manually from the [Drivers & Downloads](#).
12. **Dell applications,** which include:
 - Dell Update
 - Dell Optimizer (DO)

Updating or resetting the BIOS

Updating the BIOS in Windows

It is recommended to update the BIOS in Windows when an update is available or when you replace the system board.

1. Go to [Dell Support Site](#).
2. In the **Search support** field, enter the Service Tag/Serial Number/Service Request/Model/Keyword of your computer, and then click **Search**.

NOTE: If you do not have the Service Tag/Serial Number/Service Request/Model/Keyword, use the SupportAssist feature to automatically identify your computer. You can also click **Browse all products** to manually browse for your computer.

3. Click **Drivers & downloads > Find drivers**.
4. In the **Operating system** drop-down, select the operating system that is installed on your computer.
5. In the **Category** drop-down list, select **BIOS**.
6. Select the latest version of BIOS, and click **Download** to download the BIOS file for your computer.
7. After the download is complete, browse the folder where you saved the BIOS update file.
8. Double-click the BIOS update file icon and follow the on-screen instructions.

For more information, see knowledge base article [000124211](#) at [Dell Support Site](#).

Trusted Platform Module (TPM) security

TPM must be enabled in the BIOS setup program for it to be deployed on the computer. Follow these steps to enable and configure the TPM:

1. Turn on or restart your computer.
2. Press F2 when the Dell logo is displayed on the screen to enter the BIOS setup program.
The BIOS setup program is displayed.
3. On the left pane, select **Security**.
4. Select or clear any of the following options to enable or disable it, respectively:
 - **TPM state (Enabled or Disabled):**
 - **Enabled:** The BIOS will enable the TPM during POST and it can be accessed by the operating system.
 - **Disabled:** The BIOS will not enable the TPM during POST and it cannot be accessed by the operating system.
 - **TPM 2.0 security On:** The TPM is enabled and activated.
 - **Clear:** The BIOS clears the information that is stored in the TPM.
5. Save the settings and exit.

Reinstalling the operating system

The Windows operating system is validated for use on this computer. You can reset or reinstall the operating system under different scenarios. For more information about reinstalling the operating system, see the knowledge base article [000192698](#) at [Dell Support Site](#).

Before attempting a reinstall of your operating system, Dell Technologies recommends that you backup all data as described in the [Microsoft knowledge base article](#).

Reinstalling drivers and applications

Drivers and applications are software that enables Windows to communicate with the hardware devices and software in your computer. Devices such as video and sound cards require drivers to function correctly within Windows, and enable users to adjust hardware settings.

Windows includes drivers for most devices, but device-specific drivers may have to be downloaded and installed separately. Dell Technologies recommends that you download the device drivers for your Dell computer from [Drivers & Downloads](#).

Applications must be downloaded and installed separately. Dell Technologies recommends that you download the required applications for your Dell computer from the [Dell Download Center](#).

Displaying drivers and applications on your computer

1. Turn on your computer.
2. Go to [Dell Support Site](#).
3. In the **Search support** field, enter the Service Tag/Serial Number/Service Request/Model/Keyword of your computer, and then click **Search**.

i **NOTE:** If you do not have the Service Tag/Serial Number/Service Request/Model/Keyword, use the SupportAssist feature to automatically identify your computer. You can also click **Browse all products** to manually browse for your computer.

4. Click **Drivers & downloads > Find drivers**.
5. Select the Windows operating system installed on your computer to get a list of the drivers and applications available on your computer.

Reinstallation sequence for drivers and applications

Driver installation is critical after reinstalling the Windows operating system on your Dell computer. Install the drivers in the correct sequence for your computer to function correctly. In some scenarios, you may have to reinstall or update the device driver if you are encountering issues with a specific device.

For more information, see the Dell knowledge base article [000132394](#) at [Dell Support Site](#).

NOTE: The Windows operating system includes touchpad drivers; no other touchpad-driver installation is required.

NOTE: The Windows operating system includes the webcam drivers; no additional webcam-driver installation is required. For video capture or streaming, users can install webcam software available from third-party providers.

Dell Technologies recommends installing drivers or applications in the following sequence.

Critical Microsoft Knowledge Base (KB) updates

Dell Technologies recommends installing all the latest available KB updates on your computer. KB updates are automatically downloaded and installed when Windows Updates are enabled and can also be manually downloaded and installed from the Microsoft support site. For more information, see Windows release information: [Windows 11 - release information](#)

Intel chipset device software

The Windows operating system may not include the updated Intel chipset device software for Dell computers. The Intel chipset device software is available on Dell's support site [Dell Support Site](#).

Downloading and installing the chipset driver

1. Turn on the computer.
2. Go to [Dell Support Site](#).
3. In the **Search support** field, enter the Service Tag/Serial Number/Service Request/Model/Keyword of your computer, and then click **Search**.

NOTE: If you do not have the Service Tag/Serial Number/Service Request/Model/Keyword, use the SupportAssist feature to automatically identify your computer. You can also click **Browse all products** to manually browse for your computer.

4. Click **Drivers & downloads > Find drivers**.
5. In the **Category** drop-down, select **Chipset**.
6. Click **Download** to download the chipset driver for your computer.
7. After the download is complete, go to the folder where you saved the chipset driver file.
8. Double-click the chipset driver file icon and follow the instructions on the screen.

Graphics

The Windows operating system includes the VGA-graphics driver only. For optimal graphics performance, install the Dell graphics driver applicable to your computer from [Dell Support Site](#).

Downloading and installing the Dell graphics driver

1. Turn on your computer.
2. Go to [Dell Support Site](#).
3. In the **Search support** field, enter the Service Tag/Serial Number/Service Request/Model/Keyword of your computer, and then click **Search**.

 **NOTE:** If you do not have the Service Tag/Serial Number/Service Request/Model/Keyword, use the SupportAssist feature to automatically identify your computer. You can also click **Browse all products** to manually browse for your computer.

4. Click **Drivers & downloads > Find drivers**.
5. In the **Category** drop-down, select **Video**.
6. Click **Download** to download the preferred graphics driver for your computer.
7. After the download is complete, go to the folder where you saved the graphics driver file.
8. Double-click the graphics driver file icon and follow the instructions on the screen.

Audio

The Windows operating system does not include the audiodriver that is recommended by Dell. Install the HD audio driver available for download from [Dell Support Site](#).

Downloading and installing the Dell audio driver

1. Turn on your computer.
2. Go to [Dell Support Site](#).
3. In the **Search support** field, enter the Service Tag/Serial Number/Service Request/Model/Keyword of your computer, and then click **Search**.

 **NOTE:** If you do not have the Service Tag/Serial Number/Service Request/Model/Keyword, use the SupportAssist feature to automatically identify your computer. You can also click **Browse all products** to manually browse for your computer.

4. Click **Drivers & downloads > Find drivers**.
5. In the **Category** drop-down, select **Audio**.
6. Click **Download** to download the preferred audio driver for your computer.
7. After the download is complete, go to the folder where you saved the audio driver file.
8. Double-click the audio driver file icon and follow the instructions on the screen.

Camera

The Windows operating system does not include the camera drivers recommended by Dell. Install the latest driver available for download from the [Dell Support Site](#).

Downloading and installing the camera-related drivers

1. Turn on your computer.
2. Go to [Dell Support Site](#).
3. In the **Search support** field, enter the Service Tag, Serial Number, Service Request, Model, or Keyword of your computer, and then click **Search**.

NOTE: If you do not have the Service Tag, Serial Number, Service Request, Model, or Keyword, use the SupportAssist feature to automatically identify your computer. You can also click **Browse all products** to manually browse for your computer.

4. Click **Drivers & downloads > Find drivers**.
5. From the **Category** drop-down list, select **Camera**.
6. Click **Download** to download the following camera drivers for your computer.
 - Intel Integrated Sensor Solution Driver
 - MCU Driver for Intel Visual Sensing Controller
 - Intel Visual Sensing Controller driver (only required for computers with Intel Visual Sensing Controller)
 - Intel 2D Imaging Driver
7. After the download is complete, navigate to the folder where you saved the camera driver files.
8. Double-click the camera driver files icon and follow the instructions on the screen.

Fingerprint-reader driver

Downloading and installing the fingerprint-reader driver

1. Turn on your computer.
2. Go to [Dell Support Site](#).
3. In the **Search support** field, enter the Service Tag/Serial Number/Service Request/Model/Keyword of your computer, and then click **Search**.

NOTE: If you do not have the Service Tag/Serial Number/Service Request/Model/Keyword, use the SupportAssist feature to automatically identify your computer. You can also click **Browse all products** to manually browse for your computer.

4. Click **Drivers & downloads > Find drivers**.
5. In the **Category** drop-down, select **Security**.
6. Click **Download** to download the Goodix Fingerprint Sensor Driver for your computer.
7. After the download is complete, go to the folder where you saved the Goodix Fingerprint Sensor driver file.
8. Double-click the Goodix Fingerprint Sensor driver file icon and follow the instructions on the screen.

Wireless Local Network (WLAN) drivers

The Windows operating system does not provide native-device driver support for WLAN controllers on Dell computers. To obtain wireless network functionality, install the relevant WLAN drivers from the [Dell Support Site](#).

Downloading and installing the Wi-Fi driver

1. Turn on the computer.
2. Go to the [Dell Support Site](#).
3. In the **Search support** field, enter the Service Tag, Serial Number, Service Request, Model, or Keyword of your computer, and then click **Search**.

NOTE: If you do not have the Service Tag, Serial Number, Service Request, Model, or Keyword, use the SupportAssist feature to automatically identify your computer. You can also click **Browse all products** to manually browse for your computer.

4. Click **Drivers & downloads > Find drivers**.
5. From the **Category** drop-down list, select **Network, Ethernet & Wireless**.
6. Click **Download** to download the preferred Wi-Fi controller and Bluetooth drivers for your computer.
7. After the download is complete, go to the folder where you saved the driver files.

8. Double-click the file icon of each driver file, and follow the on-screen instructions.

Dell Optimizer

Dell Optimizer is a software application that intelligently and dynamically optimizes the performance of your computer by using artificial intelligence and machine learning. It improves the productivity, performance, and user experience through computer usage analysis and learning.

For more information about Dell Optimizer, see [Dell Support Site](#).

Downloading and installing the Dell Optimizer

1. Turn on your computer.
2. Go to [Dell Support Site](#).
3. In the **Search support** field, enter the Service Tag/Serial Number/Service Request/Model/Keyword of your computer, and then click **Search**.

 **NOTE:** If you do not have the Service Tag/Serial Number/Service Request/Model/Keyword, use the SupportAssist feature to automatically identify your computer. You can also click **Browse all products** to manually browse for your computer.

4. Click **Drivers & downloads > Find drivers**.
5. In the **Category** drop-down, select **Application**.
6. Click **Download** to download the application for your computer.
7. After the download is complete, go to the folder where you saved the Dell Optimizer application file.
8. Double-click the application file icon and follow the instructions on the screen.

Dell Thunderbolt Dock WD22TB4

The Dell Thunderbolt Dock WD22TB4 is a device that links all your electronic devices to your computer using a Thunderbolt 4 (Type-C) cable interface. Connecting the computer to the docking station enables you to access to all peripherals such (mouse, keyboard, stereo speakers, external hard drive, and high-resolution displays) without having to plug each device into the computer.

 **CAUTION:** You must update your computer's BIOS and the Dell Thunderbolt Docking Station drivers to the latest versions available on then Dell support site before using the docking station. Older BIOS versions and drivers could result in the docking station not being recognized by your computer or not functioning optimally.

For more information about the drivers required for the Dell Thunderbolt Dock WD22TB4, see [Dell Support Site](#).

.NET Framework

The .NET Framework is a software framework from Microsoft, which is bundled with Windows operating systems. The .NET Framework is intended to be used by applications created for the Windows platform.

Obtenir de l'aide et contacter Dell

Ressources d'aide en libre-service

Vous pouvez obtenir des informations et de l'aide sur les produits et services Dell en utilisant ces ressources en libre-service :

Tableau 1. Ressources d'aide en libre-service

Ressources d'aide en libre-service	Emplacement de la ressource
Informations sur les produits et services Dell	Site Dell
Conseils	
Contactez le support	Dans la recherche Windows, saisissez <code>Contact Support</code> , puis appuyez sur Entrée.
Aide en ligne concernant le système d'exploitation	Site de support Windows Site de support Linux
Accédez aux principaux diagnostics, pilotes, solutions et téléchargements et apprenez-en davantage sur votre ordinateur par le biais de vidéos, manuels et documents.	Votre ordinateur Dell est identifié de façon unique par une étiquette de service ou un code de service express. Pour afficher les ressources de support pertinentes pour votre ordinateur Dell, saisissez l'étiquette de service ou le code de service express sur le site de support Dell . Pour plus d'informations sur l'étiquette de service de votre ordinateur, reportez-vous à la section Localiser l'étiquette de service de votre ordinateur .
Articles de la base de connaissances Dell	<ol style="list-style-type: none"> 1. Accédez au site de support Dell. 2. Dans la barre de menus située en haut de la page Support, sélectionnez Support > Bibliothèque d'assistance. 3. Dans le champ Rechercher de la bibliothèque d'assistance, entrez un mot-clé, un sujet ou un numéro de modèle, puis cliquez ou appuyez sur l'icône de recherche pour afficher les articles associés.

Contacteur Dell

Pour contacter Dell pour des questions commerciales, de support technique ou de service à la clientèle, consultez le [site de support Dell](#).

 **REMARQUE :** La disponibilité des services peut varier en fonction du pays, de la région et du produit.

 **REMARQUE :** Si vous ne disposez pas d'une connexion Internet, les informations de contact figurent sur la preuve d'achat, le bordereau d'expédition, la facture ou le catalogue des produits Dell.