



Release Details

- Driver: Intel NPU (Neural Processing Unit) Driver – Windows*
- Driver Version: 32.0.100.3104
- Date: November 14, 2024

Notes

- Support for OpenVINO 2024.4
- Reboot directive enabled for Lunar Lake. System will trigger a reboot after NPU driver installation
- The name displayed for the NPU device in Microsoft Windows® Device Manager and Task Manager is aligned with the NPU brand name: Intel® AI Boost.

Fixed Issues

- Microsoft CoPilot+* compile time and memory footprint improved from 21.0.100.3053
- ISV models (Enabled and Optimised)
 - Tencent Music: Audio separation model optimization
 - DynamoAI: Enable and optimize xlm-roberta-large model on Lunar Lake and Meteor Lake NPU
 - BERT Transformer model compilation with NPU
 - Distinct AI: Add support for SSD-1B model (Segmind) on Lunar Lake NPU to achieve functional correctness and optimal performance.
 - Fixed loading issue related to Krisp model
 - Fortemedia: Fixed issue where PVR model results are incorrect
 - Acer: Fixed issue where VAE Decoder result is incorrect
 - Lenovo View Video Enhancer: Optimized IR model fixed that showed unusual behaviour where U and V channels end abruptly due to alignment issue on NPU

Known Issues

- None

Supported Platform

- Lunar Lake: [Intel® Core™ Ultra Processors \(Series 2\)](#)
- Meteor Lake: [Intel® Core™ Ultra Processors \(Series 1\)](#)
- Arrow Lake: [Intel® Core™ Ultra Processors \(Series 2\)](#)



Operating System Support

Operating System	Version	Details
Microsoft Windows® 11 64-bit	September Update (22H2)	
	• October Update (22H2)	
	• October Update (23H2)	
	• 2024 Update (24H2)	

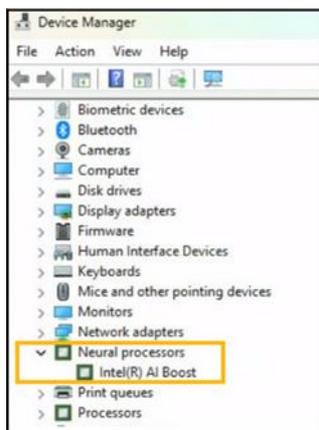
NOTE: NPU will not support workloads on Windows* 10. Disable the NPU device from BIOS for Windows 10.

AI Frameworks Support

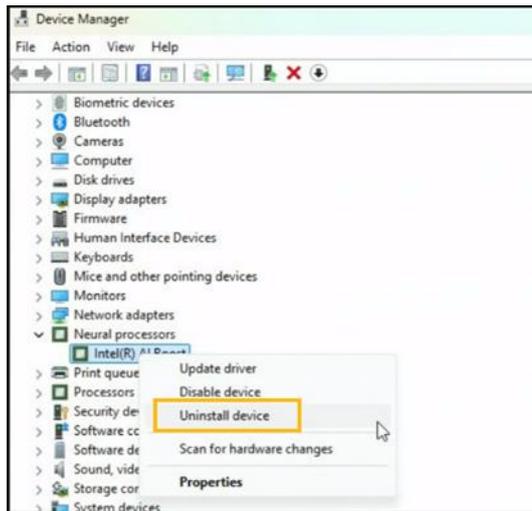
Framework	Version
OpenVINO	OpenVINO 2024.4
DirectML	Preview

How to Install / Update the NPU Driver

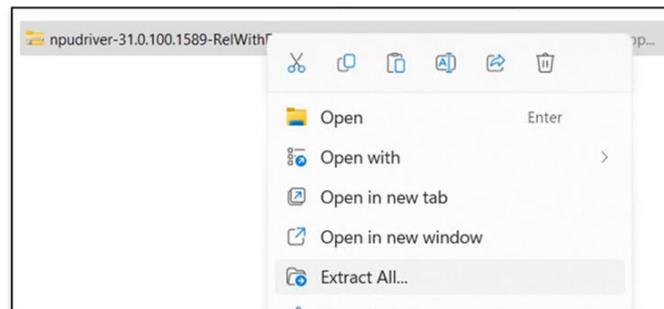
1. **Check if an NPU driver is already installed on your device.** Right click on Windows* start button and select *Device Manager*. Check if *Intel(R) AI Boost* is visible under *Neural processors*.



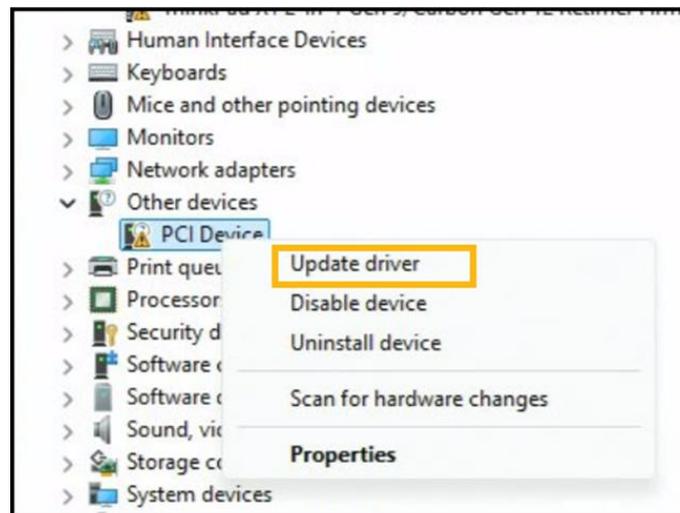
2. **If an NPU driver is installed, you need to uninstall it.**
 - a. In *Device Manager* window, right click on the *Intel(R) AI Boost* and select *Uninstall Device*.
 - b. When the *Uninstall Device* window appears, select the *Attempt to remove the driver for this device* checkbox and click on the *Uninstall* button.



3. Once the device is uninstalled, it's time to **install the new driver version**. Download the latest NPU driver from Intel Download Center.
4. **Unpack the zip driver package downloaded from Intel Download Center**. To unpack the .zip driver file, right click the file and Extract All -> Extract.

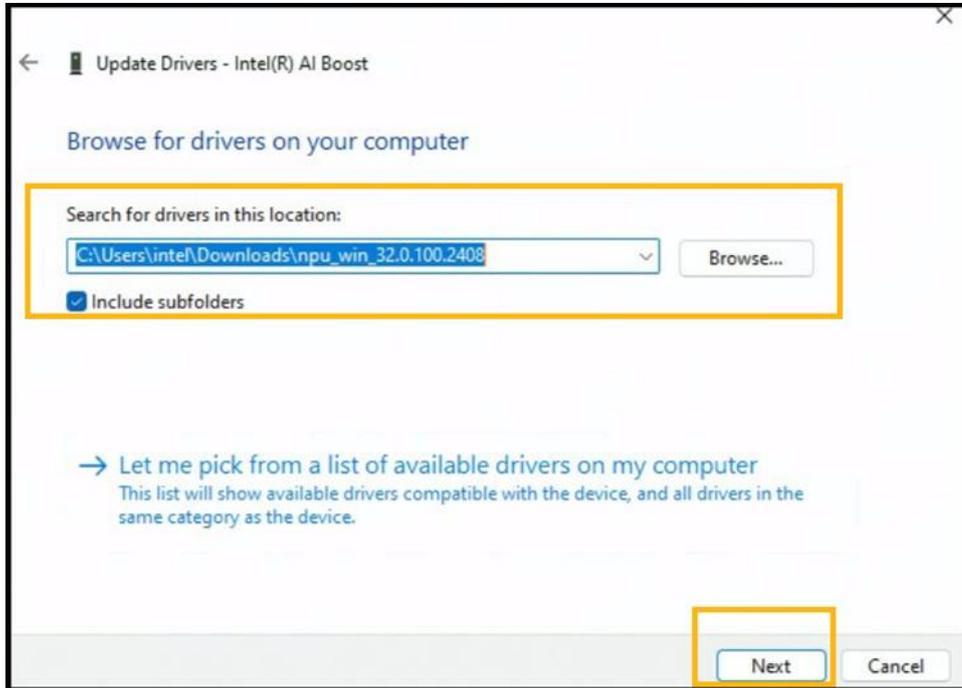


5. **Go to Device Manager** and Scan for Hardware Changes, by clicking on  icon located at the top menu. This will reveal *Other devices*.
6. **Install the new NPU driver**. After unpacking, go to *Device Manager* and find *PCI Device* under *Other devices*. Right click it and select *Update Driver*.

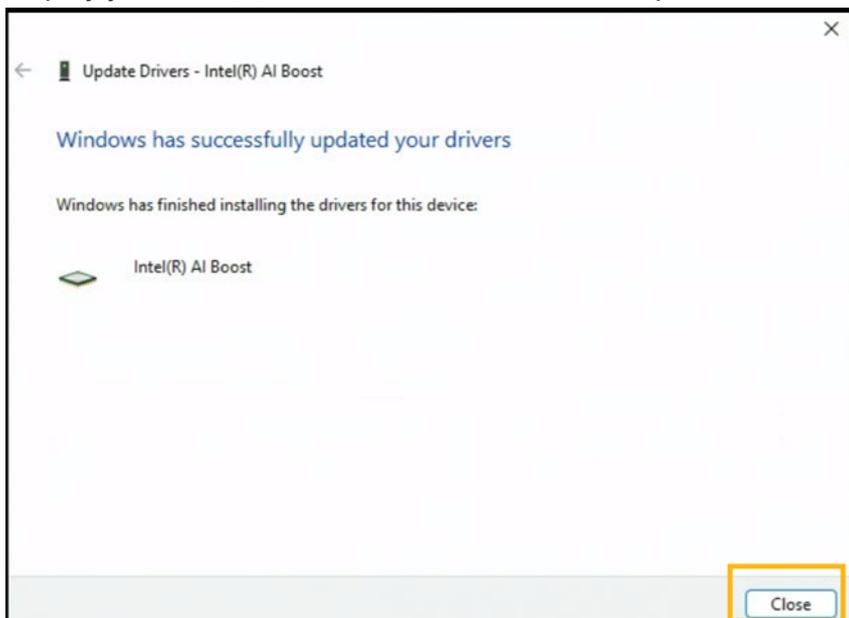




7. In the new Windows that appears, click *Browse my computer for drivers*. Click on *Browse* button and navigate to the location where the unpacked driver was saved.
8. After setting the correct location tick the **Include Subfolders** checkbox and click Next. The driver will now install.



9. If the driver installed correctly, you should see the following window saying, "Windows has successfully updated your drivers" and the Device Manager should display your *Intel(R) AI Boost* driver under *Neural processors*.



Note: For issues with manual installation, please contact [Intel support](#).



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NPU

Neural Processing Unit
