Release Details

- Driver: Intel NPU (Neural Processing Unit) Driver – Windows*
- Driver Version: 32.0.100.2820
- Date: September 24, 2024

Notes

- Support for OpenVINO 2024.3.
- Added Intel® Core™ Ultra Processors (V-SKUs) support, formerly codenamed Lunar Lake.
- 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 Co-pilot performance and accuracy improvements over the previous release.
- Enable and optimize Lenovo View Video enhancer use case:
    - Fix compilation issues associated with Magix ISV, specifically the colorization features and depth estimation, have been resolved.

Known Issues

- No known issues.

Supported Platform

- Intel® Core™ Ultra Processors (V-SKUs), formerly codenamed as Lunar Lake
- Intel® Core™ Ultra Processors (Series 1), formerly codenamed as Meteor Lake

Operating System Support

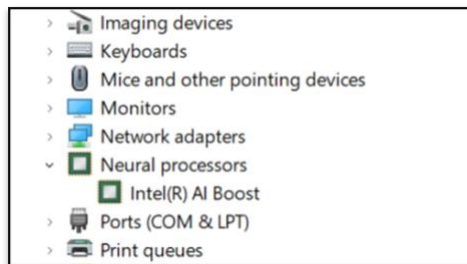| Operating System	Version	Details
Microsoft Windows® 11 64-bit	September Update (22H2)	
	October Update (22H2)	
	October Update (23H2)	

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 2024.3
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.*
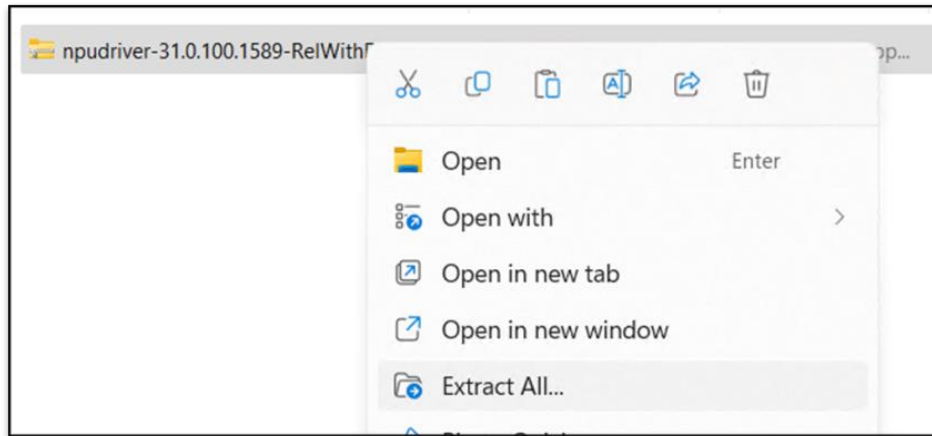

2. **If an NPU driver is installed, you need to uninstall it.**
   a. In Device Manager window, right click on the *Intel(R) AI Boost* and select Uninstall Device.
   b. When the *Uninstall Device* window appears, select the *Attempt to remove the driver for this device* checkbox and click on the *Uninstall*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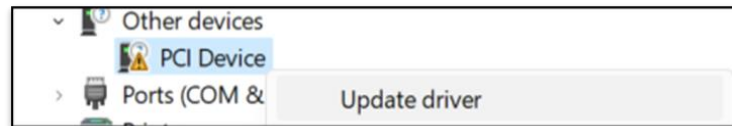

3. Once the device is uninstalled, it's time to **install the new driver version**. Download the latest NPU driver from Intel Download Center.
4. **Unpack the zip driver package downloaded from Intel Download Center**. To unpack the .zip driver file, right click the file and Extract All -> Extract.
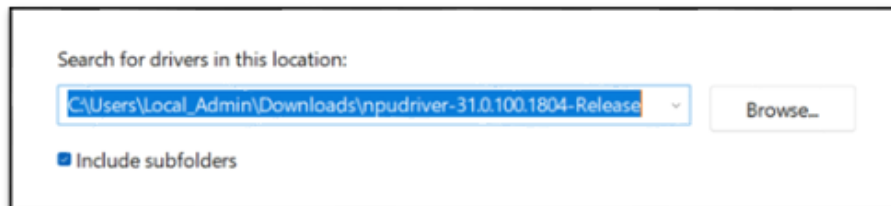
5. **Install the new NPU driver.** After unpacking, go to *Device Manager* and find *PCI Device* under *Other devices*. Right click it and select *Update Driver*.
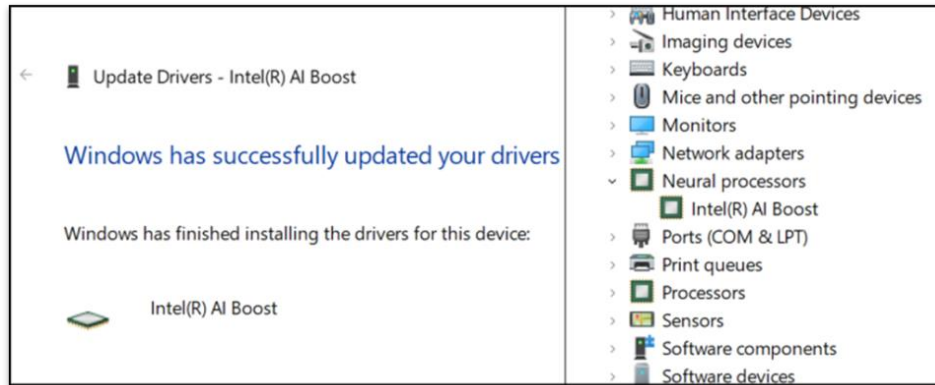

6. In the new Windows that appears, click *Browse my computer for drivers.* Click on *Browse* button and navigate to the location where the unpacked driver was saved.

7. After setting the correct location tick the **Include Subfolders** checkbox and click Next. The driver will now install.
8. 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*.

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Note: For issues with manual installation, please contact Intel support.

More on Intel Products

For more information on Intel Processors, Graphics and other devices, please visit:

- Intel® Core™ Processors - View Latest Generation Core Processors
- Intel® Processors for PC, Laptops, Servers, and AI | Intel®
- Intel® Arc™ Graphics Overview
- Intel® Graphics Solutions

Notices & Disclaimers

NPU	Neural Processing Unit
DML	Device Modeling Language