

## Release Details

- Driver: Intel NPU (Neural Processing Unit) Driver – Windows\*
- Driver Version: 32.0.100.2688
- Date: 01/08/2024

## Notes

- Support for OpenVino 2024.3
- Platform support: Meteor 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

- AI model from Skylum has reduced compilation time of 8s.
- DML support for OneDNN and Adobe audio tagger enablement.

## Known Issues

- Incompatibility in v2688 LO UMD with upcoming Openvino 2024.4, that can cause a crash when using remote tensors with MCL (Mutable Common List)

## Supported Platform

- Meteor Lake (Intel® Core™ Ultra processors)

## Operating System Support

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

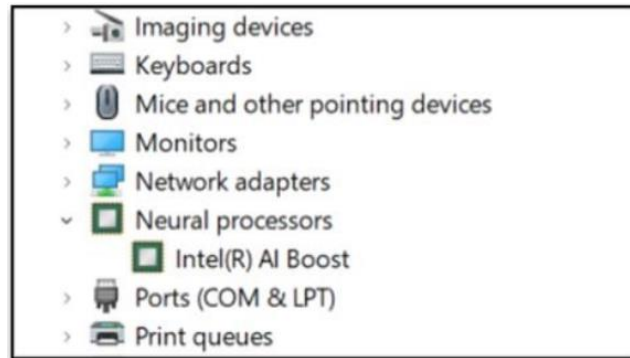
**NOTE:** NPU will not support workloads on Windows\* 10. Disable the NPU device from BIOS for Windows 10.

## AI Frameworks Support

Framework	Version
OpenVino	OpenVino 2024.3
DirectML	Preview

## How to Install / Update the NPU Driver

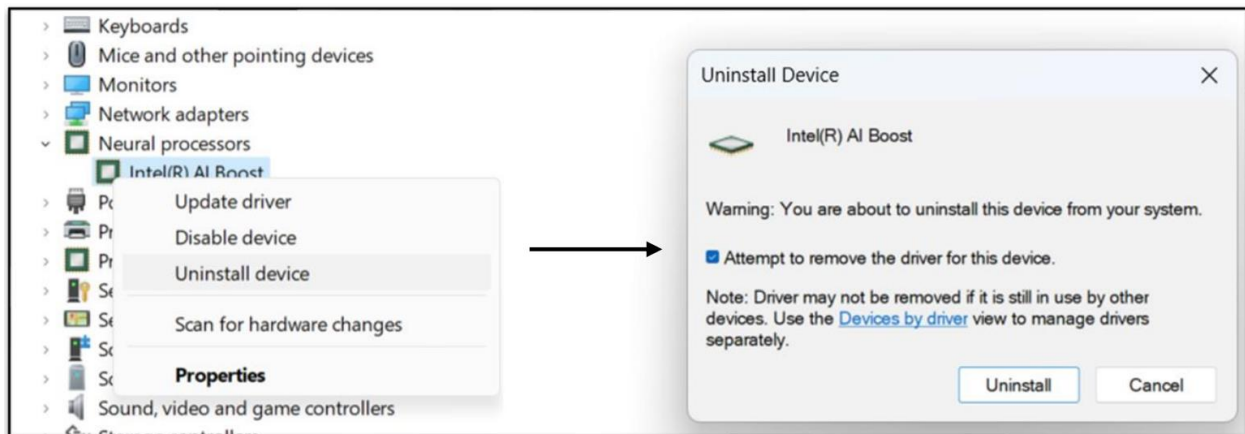
1. **Check if an NPU driver is already installed on your device.** Right click on Windows start button and select *Device Manager*. Check if *Intel(R) AI Boost* is visible under *Neural processors*.



2. **If an NPU driver is installed, you need to uninstall it.**

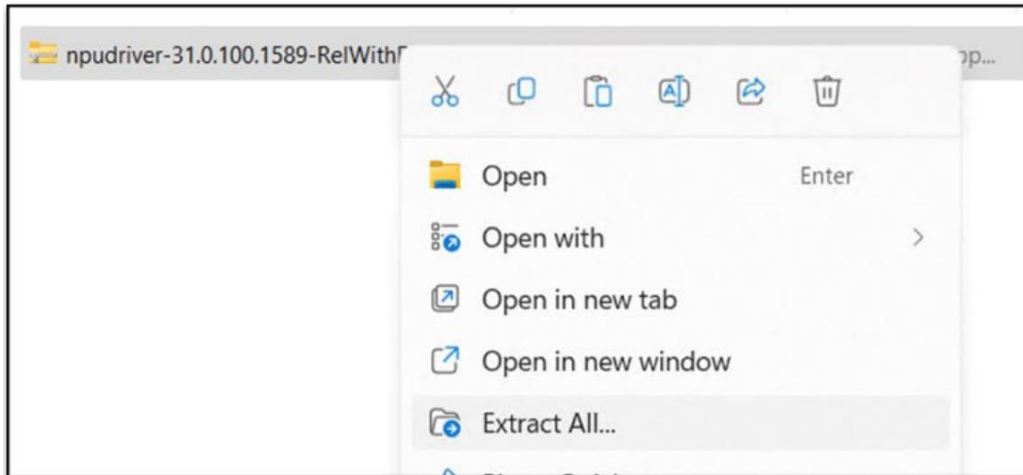
In *Device Manager* window:

- a. 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 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.

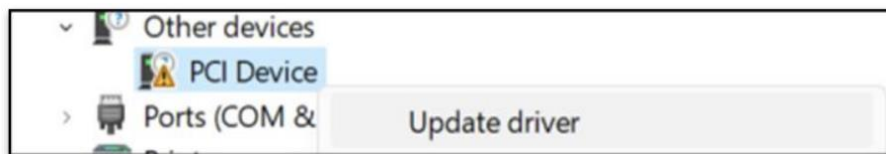
# Intel NPU Driver – Release Notes



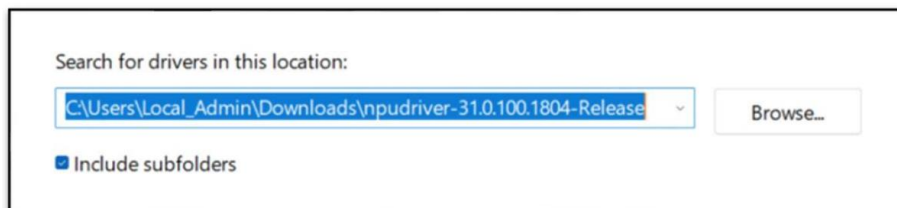
5. Go to *Device Manager* and *Scan for Hardware Changes*, by clicking on icon located at the top menu. This will reveal “*Other devices*”.

**Note:** If you click more than once on icon the other devices may disappear and revert to show Intel(R) AI Boost.

6. **Install the new NPU driver.** Find *PCI Device* under *Other devices*. Right click it and select *Update Driver*.

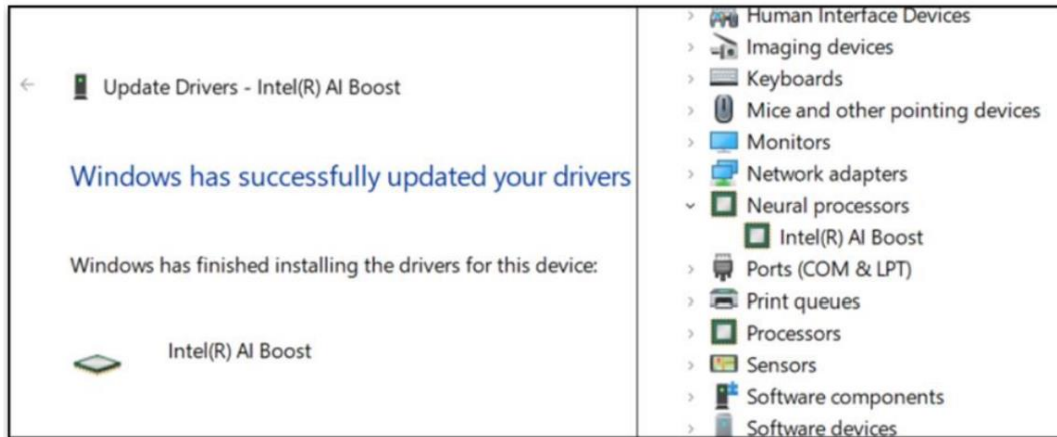


7. In the new Windows that appears, click *Browse my computer for drivers*. Click on *Browse* button and navigate to the location where the unpacked driver was saved.



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*.

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

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NPU	Neural Processing Unit
DML	Device Modeling Language
OneDNN	OneAPI Deep Neural Network Library
UMD	User Mode Driver
MCL	Mutable Common List