

Steps to Install the Akida PCIe Driver

Version 1.0

Plug in your Akida PCIe card on your system: ([watch video \(https://brainchipinc.com/pcie-board-support/\)](https://brainchipinc.com/pcie-board-support/))

- Open Terminal on your system
- Check if PCIe card is plugged in correctly:

```
lspci | grep Co-processor
```

Output:

```
Co-processor: Device 1e7c: bca1 (rev 01)
```

- Get the Akida driver from github:

```
git clone https://github.com/Brainchip-Inc/akida\_dw\_edma
```

- Follow README.md in the folder or below instructions to install the driver

Note: The below steps will remove the old installed driver versions, if any, and install the new one. It will also configure modules to load it at every boot and also provide read/write access on /dev/akida* to every user

```
sudo apt install build-essential linux-headers-$(uname -r)
cd akida_dw_edma
sudo ./install.sh
```

- Download [akida package from Meta TF \(https://doc.brainchipinc.com/installation.html#installation\)](https://doc.brainchipinc.com/installation.html#installation) > v2.2.0 in your python Environment

```
pip install akida
```

- Check if you can see akida device:

```
akida devices
```

Output:

```
Available devices
PCIe/NSoC_v2
```

Note: If you face any issues along the way, please follow the Troubleshoot guidelines in the [user guide \(https://brainchipinc.com/pcie-board-support/\)](https://brainchipinc.com/pcie-board-support/) to resolve them. If there are still any issues, please contact support by filling the form below.