

NPU PCIe Card

Accelerate the future with **MLA100**

MLA100 is the world's leading **AI accelerator PCIe card for edge computing**. It delivers outstanding AI performance with low energy consumption that overcomes the limitations of existing processors and unleashes full potential of AI techologies.

MLA100 supports various computation structures with DNN-based architectural blocks and seamlessly maintains individual models without requiring further modification. Empower yourself with MLA100 to accelerate the implementation of AI algorithms in your solution TODAY.

Performance	64 TOPS (Boost 80 TOPS)	Power (TDP)	25 W
Host Interface	PCle Gen 4.0 8-lane	Memory Capacity	16 GB (optional. 32GB) LPDDR4/4X
Supported Host OS		Supported Host HW	x86 and ARM Aarch64 based Architecture



Standalone AI Box

All around solution for Al **MLX-A1**

MLX-A1 is a revolutionary **standalone AI box for high performance edge devices**. This compact HPC board is ready to solve any problem related to edge AI.

MLX-A1, equipped with a high-performance AI engine and host processor, is compatible with both Linux and MS windows.

With its high performance and broad compatibility, MLX-A1 can meet the needs of most customers who want to add AI functions to their products.

Key Features



Cost-Effective

Most cost-effective options for engineers prioritizing high price-performance ratio



Easy-to-Use

User-friendly full-stack SDK that supports major ML frameworks including Tensorflow, Pytorch, ONNX



High-Accuracy

World-leading lightweight technology maintains 99.9 % accuracy of existing models



Programmable

Supports more than 200 deep learning models, including SOTA models, with excellent performance



Scalable

Solution for all edge devices supports 1~100+ TOPS



Eco-Friendly

Eco-friendly solution that maximizes data reuse and minimizes memory access for high energy efficiency

Mobilint SDK

We are proud to present our tailor-made Software Development Kit (SDK), qb. Our main goal was to design a comprehensive pack to support our clients' NPU application and development experience to be intuitive, quick, and accessible.

Through strenuous trials and evaluations at MLPerf[™], qb has demonstrated its many strengths. It is the verified SDK to meet all your comprehensive needs. Empower yourself instantaneously for an emerging Al world by implementing a deep learning application with NPU acceleration accompanied by qb.

****** Supported Frameworks

PyTorch, TensorFlow, TFLite, ONNX, Keras, and Etc.





** Host PC

Mobilint NPU can be plugged into a host PC in multiple numbers depending on the application.

This image is intended to provide a brief guide on how to use the product. For detailed instructions, please refer to the user manual, or if you have any further questions, please contact the Mobilint customer service representative at <u>contact@mobilint.com</u>.

Applications

mobilint

Mobilint offers comprehensive solutions for a wide range of applications by integrating real-time artificial intelligence into edge environments such as smart cities, smart factories, edge data centers, and servers, and etc.

Our technology delivers high performance, low power consumption, minimal heat generation, space efficiency, and cost competitiveness, enabling innovative and efficient solutions across industries.



Super Resolution

Robotics

Drone

Contact us

Reach out to us to assess your Al infrastructure requirements and solution fit by contacting Mobilint directly at contact@mobilint.com

Follow us on Mobilint, Inc.

Website : https://www.mobilint.com Linkedin : https://www.linkedin.com/company/mobilint