We provide accelerated AI chip solutions through the vertical integration of co-optimized algorithms, software, and hardware technologies.

High-performance AI chips for on-device and on-premises AI

MOBILINT

contact@mobilint.com
www.mobilint.com

Break free from GPU dependency today!

300+
Advanced AI models (Including SOTA) flawlessly supported

99.9%
Model performance retained after lightweight deployment

50% ↓
The price of market leading chip solution

A-to-Z
Full-stack SDK support to streamline deployment

Mobilint ARIES

AI Accelerator Chip

ARIES is an advanced AI accelerator with a powerful AI engine that delivers high compute efficiency with small footprint.

ARIES can seamlessly run complex deep learning algorithms including transformers and is designed for versatility in handling medium to heavy-duty edge applications such as manufacturing and server infrastructures.

Specifications

Performance	80 TOPS	**AI Performance**	**MobileNetV2**	11,551 FPS
Host Interface	PCIe Gen 4.0 8-lane		**ResNet-50**	3,082 FPS
Memory Capacity	16 GB (Optional 32 GB) LPDDR4, 4X		**YOLOv9-S**	627 FPS
Memory Bandwidth	66.7 GB/s		**YOLOv9-C**	254 FPS
Power(TDP)	25 W			

Form Factor

ARIES is available in several form factors with an easy plug-in interface for simplified integration of high-performance inference at the edge.

NPU PCIe Card	 **MLA100** Low Profile	**Standalone AI Box**	 **MLX-A1**
	 **MLA100** MXM		

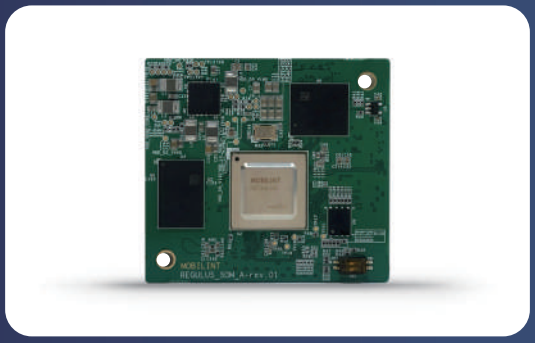
Experience the specs we promised you!

Get a **test run** on an edge environment and receive compatibility results within 1 business day.

CES® 2025 Innovation Awards Winner!

CES Innovation Awards 2025 Honoree

Category
Artificial Intelligence



Mobilint REGULUS

AI SoC for On-Device AI

REGULUS is a compact system-on-chip (SoC) designed for edge AI devices. It is ideal for power-and space-constrained edge applications such as drones and security systems.

Along with an advanced NPU, REGULUS is equipped with CPUs, enabling it to operate independently without a host processor. It also supports key communication interfaces such as USB, Ethernet, and MIPI, offering excellent compatibility.

Specifications

NPU	10 TOPS	**Data Interface**	USB 3.1, Ethernet, MIPI, UART, QSPI, and Others	
CPU	Quad-core ARM Cortex-A53, ARM Cortex-M0+	**Video Codec**	MJPEG, H.265/4, Encoder & Decoder (4K @ 60FPS)	
Power(TDP)	3 W	**Image Processing**	ISP (8M @ 60FPS), Dual DVP	
Size	17×17 mm	**AI Performance**	**MobileNetV2**	1,873 FPS
Memory	Up to 8 GB (DDR4, LPDDR4, 4X)		**ResNet-50**	550 FPS
Memory Speed	4266Mbps		**YOLOv9-S**	156 FPS
Storage	SD, SDIO, eMMC 5.1		**YOLOv9-C**	50 FPS

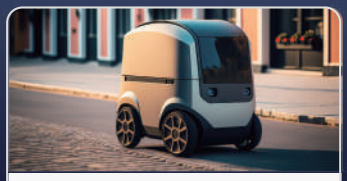
Why Mobilint?

Versatility from heavy-duty to power-constrained industry applications.

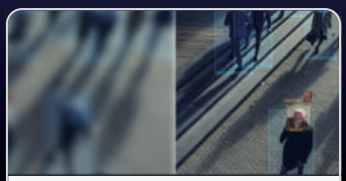

Edge Datacenter

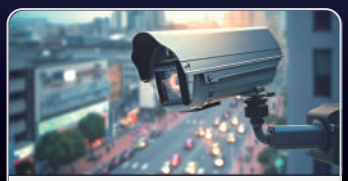

Smart Factory

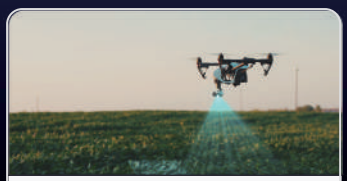

Smart City


Robot


Home Appliance


Super Resolution


CCTV

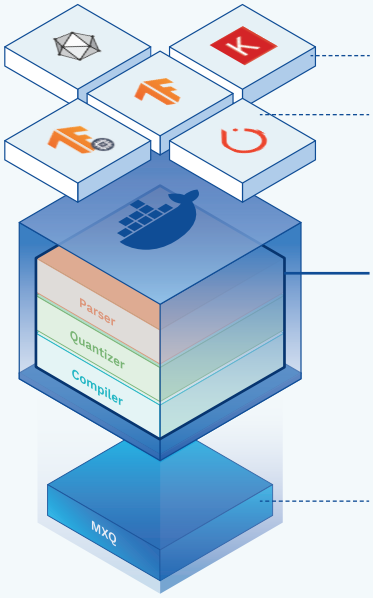

Drone

Mobilint qb Full-Stack SDK

'qb' is a powerful tool designed to streamline the development of AI applications on NPUs, enabling rapid and efficient deployment while maintaining over 99.9% of the original model's accuracy.

With compatibility across more than 300 AI models and proven stability and accuracy, qb empowers developers to quickly implement NPU-accelerated deep learning solutions for a wide range of use cases.

Model Build



Access 300+ models

Supported Frameworks

- PyTorch, TensorFlow, TFLite, ONNX, and Keras

Mobilint Compiler Suite

- Parser
- Quantizer
- Compiler

Mobilint Executable (MXQ)

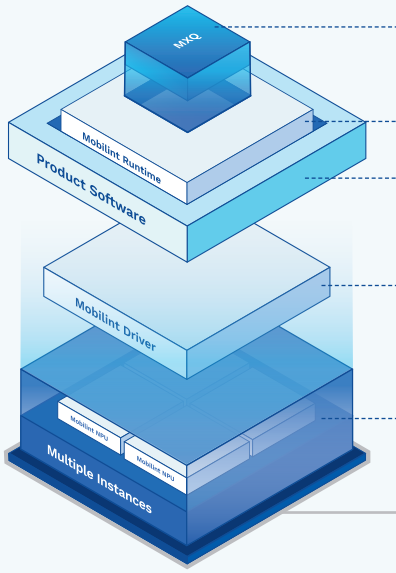
Mobilint Compiler Suite

Mobilint Compiler Suite's s proprietary techniques optimize the original model while retaining its accuracy.

MXQ

An NPU-ready format for Mobilint Runtime.

Runtime Execution



Mobilint Executable (MXQ)

Mobilint Runtime

Product Software

Mobilint Driver

Multiple Instances

- Mobilint NPUs

Host Device

Multiple Instances

Mobilint NPUs can be plugged into the host device in multiple instances depending on the application.

If you would like more information or solutions, please contact the Mobilint customer representative at contact@mobilint.com

mobilint

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