

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



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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	16,500 FPS
Host Interface	PCIe Gen 4.0 8-lane		ResNet-50	4,515 FPS
Memory Capacity	16 GB (Optional 32 GB) LPDDR4, 4X		YOLOv9-S	1,213 FPS
Memory Bandwidth	66.7 GB/s		YOLOv9-C	350 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	
		MLA100 MXM		



Experience the specs we promised you!

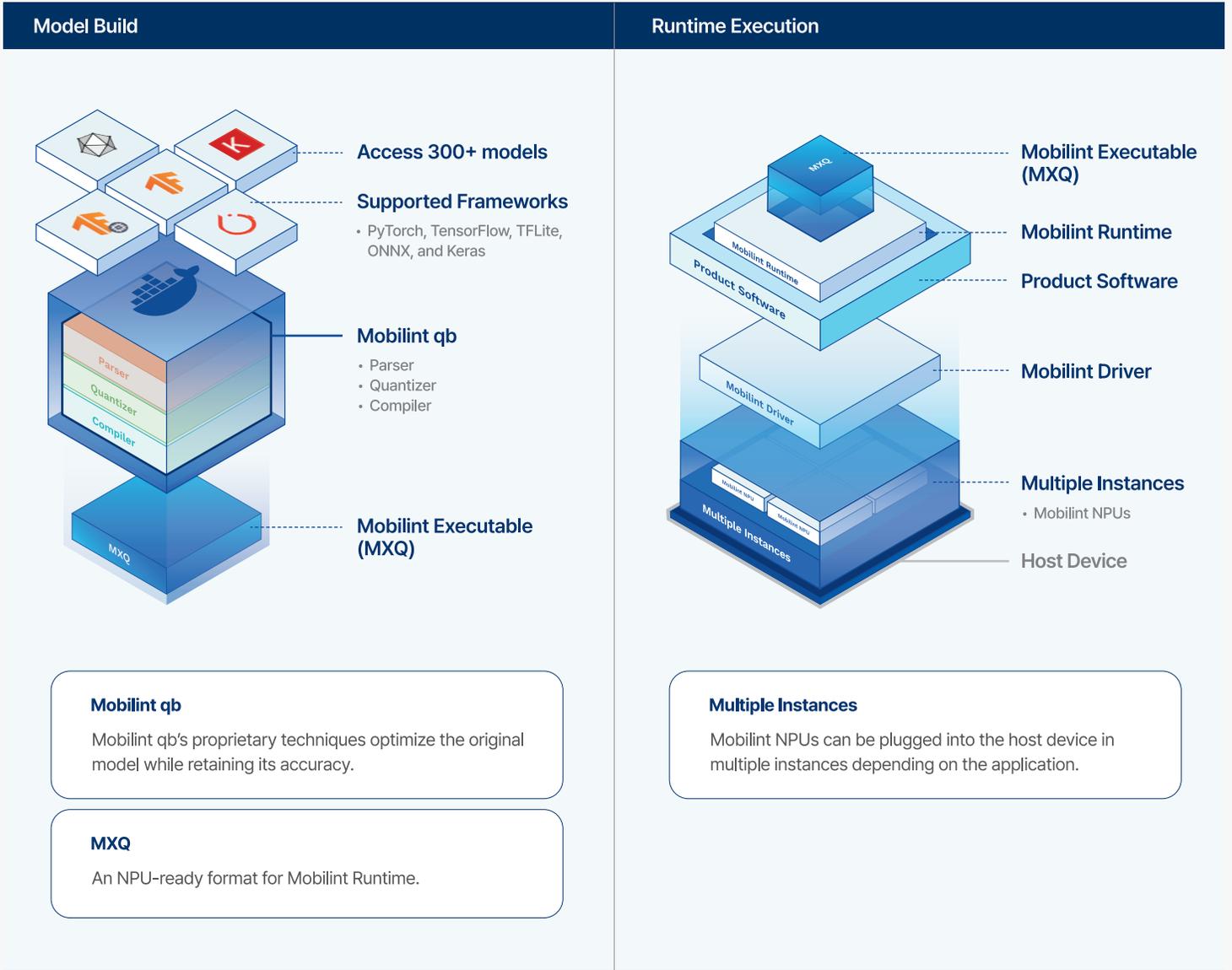
Get a **test run** on an edge environment and receive compatibility results within 1 business day.

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.



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

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Mobilint Site



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CES® 2025 Innovation Awards Winner!



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	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	4266MHz (x32)		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