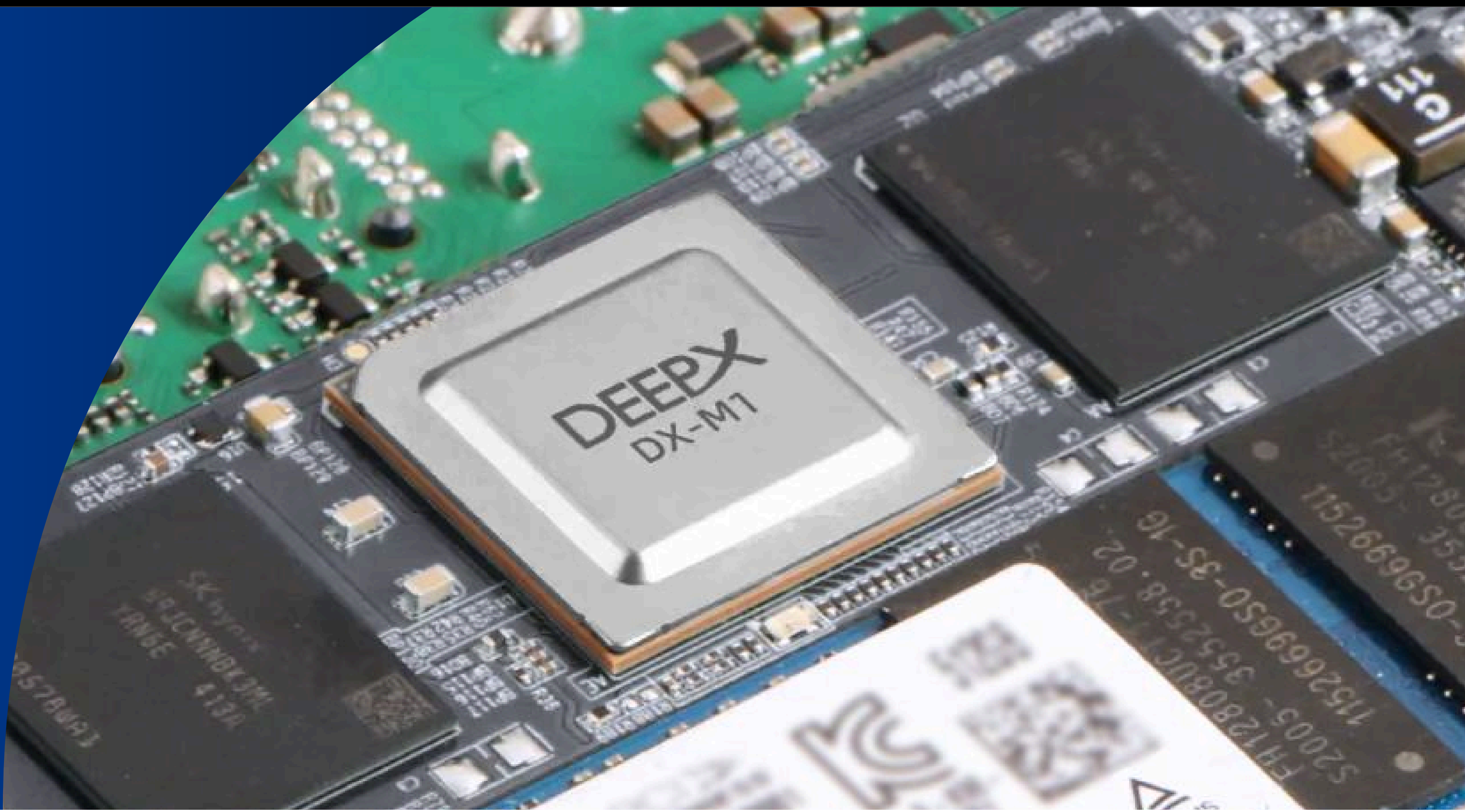


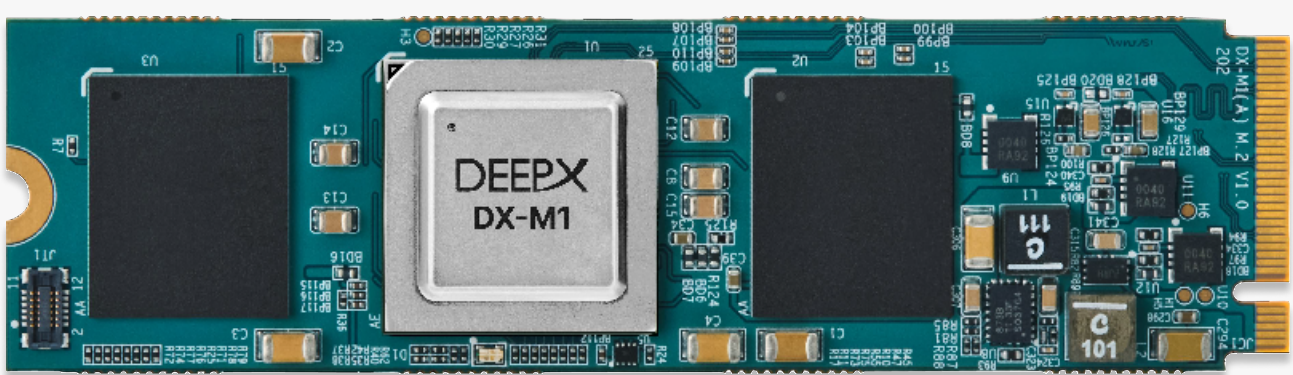
DEEPX DX-M1

AI Accelerator

DX-M1 sets a new benchmark in energy-efficient AI computing, delivering **25 TOPS (200 eTOPS) at under 5W**, significantly outperforming competitors in performance-per-watt.

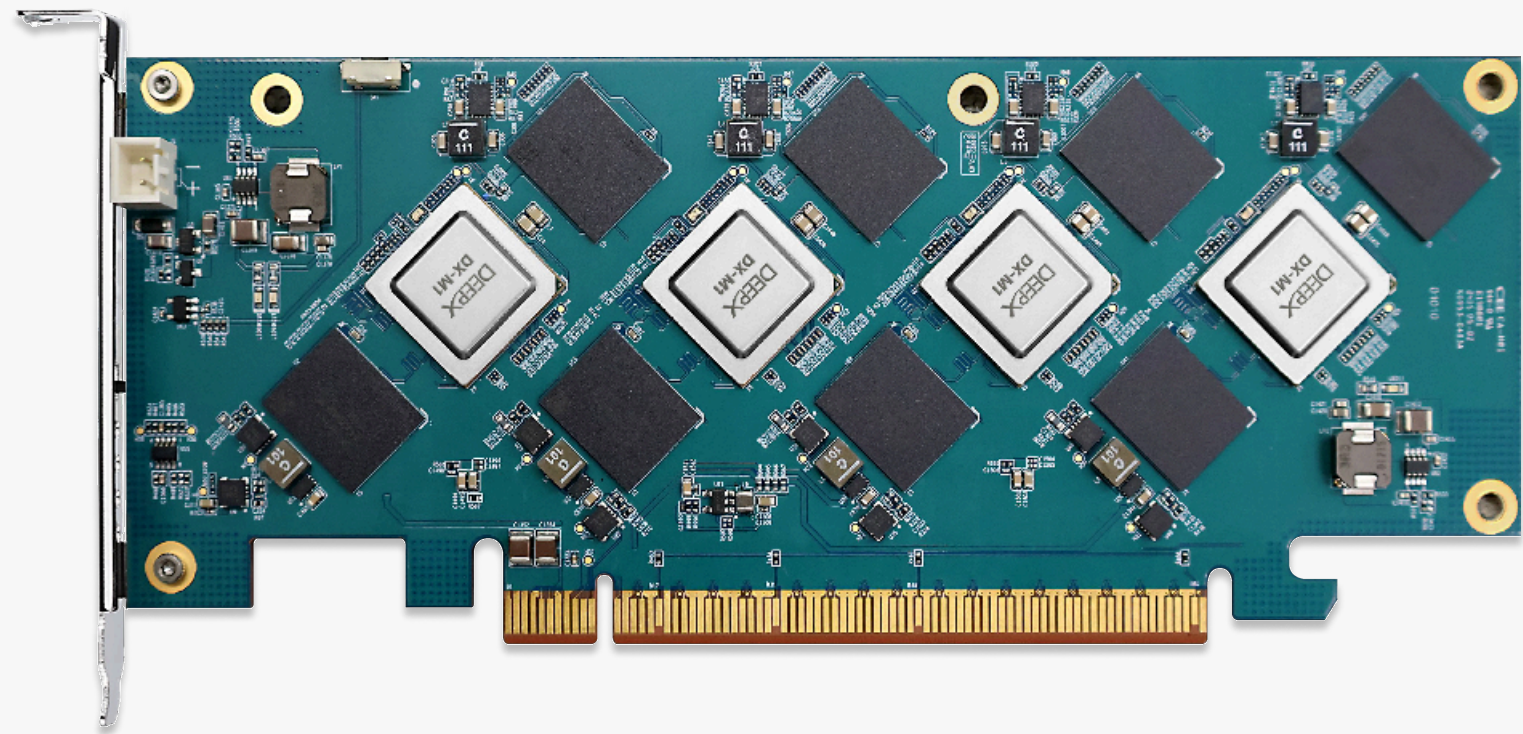


DX-M1 Chip-Based Application Modules



DX-M1 M.2 LPDDR5x2

Type: AI Accelerator
AI Performance: 25 TOPS / 3~5W
Form Factor: M.2 M Key (22 × 80 mm)
Interface: PCIe Gen.3 ×4
Memory: 4GB LPDDR5, QSPI 1Gbit NAND

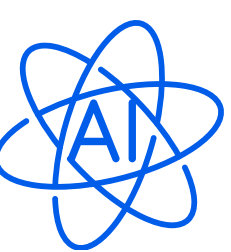


DX-H1 PCIe Card Quattro

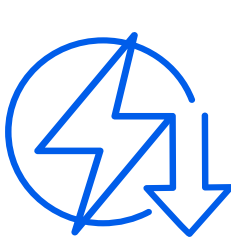
Type: AI Accelerator
AI Performance: 100 TOPS / 20W
Form Factor: PCIe Card (167 × 66.4mm)
Interface: PCIe Gen.3 (4×4×4×4 Bifurcation)
Memory: 16GB LPDDR5, QSPI 1Gbit NAND



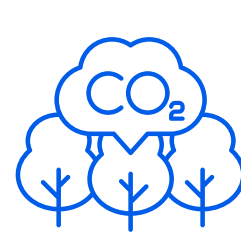
Key Features



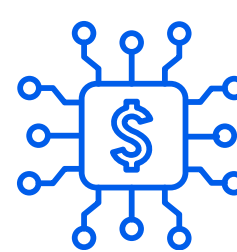
Outstanding Power Efficiency
Exceptional AI performance with reduced power consumption, enabling longer battery life for your products and greater energy savings for data centers. (Butter-Proof)



Dedicated DRAM Design
Engineered for simultaneous multi-model processing, our dedicated DRAM ensures smooth, high-performance AI execution—even when running several models at once.



Universal CPU Compatibility
Designed for seamless integration with any host CPU architecture, enabling faster deployment, simplified development, and full compatibility of existing infrastructure.



Leading Cost Efficiency
Minimizes reliance on costly on-chip SRAM, delivering high performance with a dramatically lower bill of materials—bringing powerful AI accessible across more devices.

AI Performance

AI Model	Input Resolution	Accuracy (mAP) FP32 GPU	Accuracy (mAP) *IQ8 DX-M1	FPS DX-M1	NPU Power (W) DX-M1	FPS/W DX-M1
YOLOv5m	640×640	45.08	45.07	236	3.16	74.75
YOLOv7e6	640×640	55.58	55.45	19.49	2.50	7.81
YOLOv8x	640×640	53.63	53.12	49.03	3.17	15.48
YOLOv8l	640×640	52.57	52.01	93	3.60	25.32
YOLOv8m	640×640	50.11	49.56	135	2.76	48.32
YOLOv9c	640×640	52.86	52.36	47.89	2.83	16.95



DEEPX Headquarters
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Seongnam-si, Gyeonggi-do, 13494, Republic of Korea



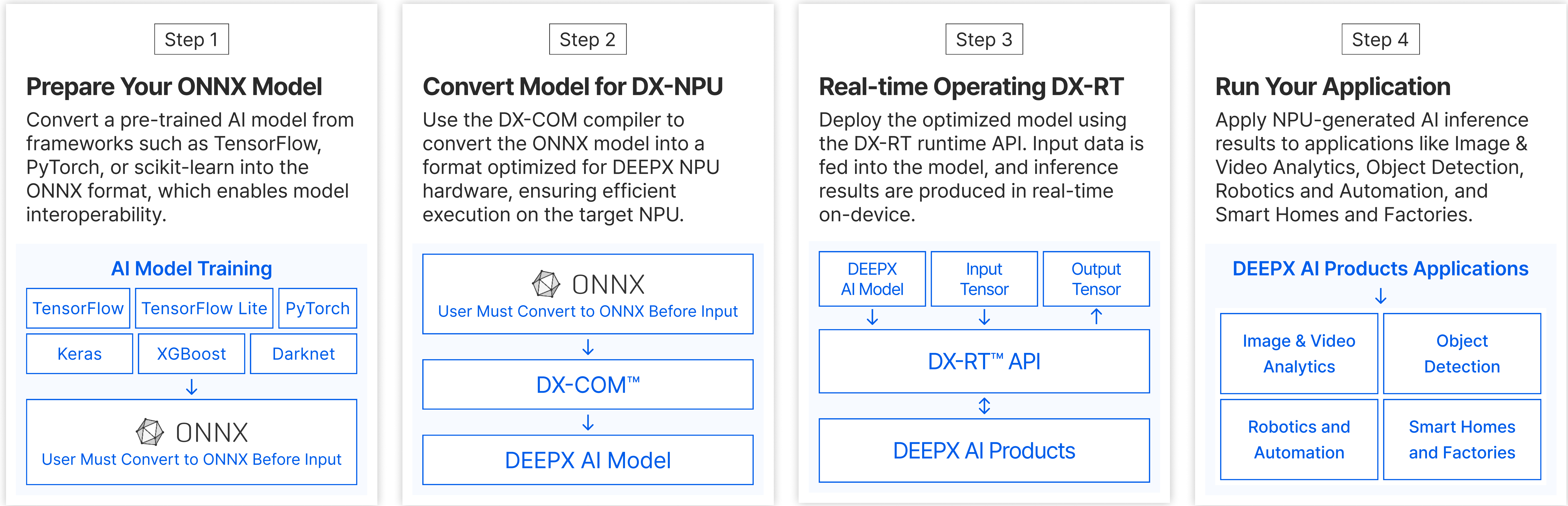
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Sales Support - sales@deepx.ai

DXNN® SDK

DXNN® (DEEPX Neural Network) SDK streamlines AI deployment on DEEPX NPUs by integrating version-aligned tools for compilation, optimization, simulation, and inference. For **efficient development**, it's offered as the **DX-AS (All Suite)**, a fully integrated and optimized package.



How It Works: 4-Step AI Deployment with DXNN® SDK



DXNN® Full Stack Architecture

DXNN® Full Stack Architecture streamlines AI model deployment onto DEEPX products using its two-stage AI Model Compile and Runtime Environments.

