



AIB-THOR-ES Preview Kit
Fueled by NVIDIA Jetson T5000™

Unlock Ultimate AI Engine for Physical AI and Next-Gen Robotics with NVIDIA® Jetson Thor™

Aetina's AIB-THOR-ES Preview Kit, built on the NVIDIA Jetson Thor platform, accelerates advanced robotics and physical AI development. Accelerated by the NVIDIA Jetson T5000, it features 2,560 CUDA Cores, 96 Tensor Cores, up to 2,070 FP4 TFLOPS, and 128GB ultra-fast LPDDR5X memory—perfect for developers pushing the limits of robotic intelligence.

What's inside the AIB-THOR-ES Preview Kit?



Built-in 1TB NVMe SSD & Optional Wi-Fi 6E card for Flexibility

Developer-Optimized: Compact Chassis with Efficient Cooling

Pre-Installed NVIDIA JetPack™ 7.0 for Full NVIDIA AI Support

- Unlock NVIDIA Isaac™, Holoscan, Metropolis for robotic and AI agent innovations

One-Side, Rich I/O for Easy Wiring, Quick Setup.

- 2x USB-C
- 2x USB-A
- 1x RJ45 5GbE
- 1x HDMI 2.0b
- 1x DP1.4a
- 1x QSFP28 slot for 4x25GbE
- 1x Micro Fit for PSU
- 1x OTG

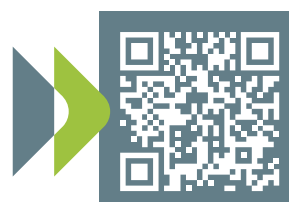
Fueled by NVIDIA Jetson T5000

- Up to 2070 FP4 TFLOPS AI Power
- 128GB LPDDR5X

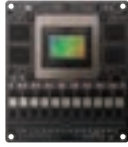
Shipping Now — Order yours today!

With this unmatched compute power and efficiency, you can push the limits of physical AI and robotics innovation like never before.

Contact Us



Speed Up Your Robotic AI Innovation



Accelerated by NVIDIA Jetson T5000

Harness the strength of NVIDIA Jetson T5000, featuring 2,560 CUDA cores and 96 Tensor Cores. Delivering up to **2070 FP4 TFLOPS AI performance** to effortlessly run of the latest generative AI models and complex robotic workloads.

Developer-Optimized Design & Versatile I/O

Built for robotics innovators worldwide, Aetina AIB-THOR-ES driven by NVIDIA Jetson T5000 integrates powerful AI compute, advanced thermal design, and broad I/O expansion for seamless **robotic sensor fusion**. Comes with **1TB NVMe SSD** and optional Wi-Fi 6E module for maximum flexibility.



Pre-Installed Jetpack 7.0 with NVIDIA AI Support

Give developers **further access full NVIDIA AI software**, including:

- NVIDIA Isaac → Robotics development
- NVIDIA Holoscan → Multimodal sensor fusion
- NVIDIA Metropolis → Computer vision & edge AI

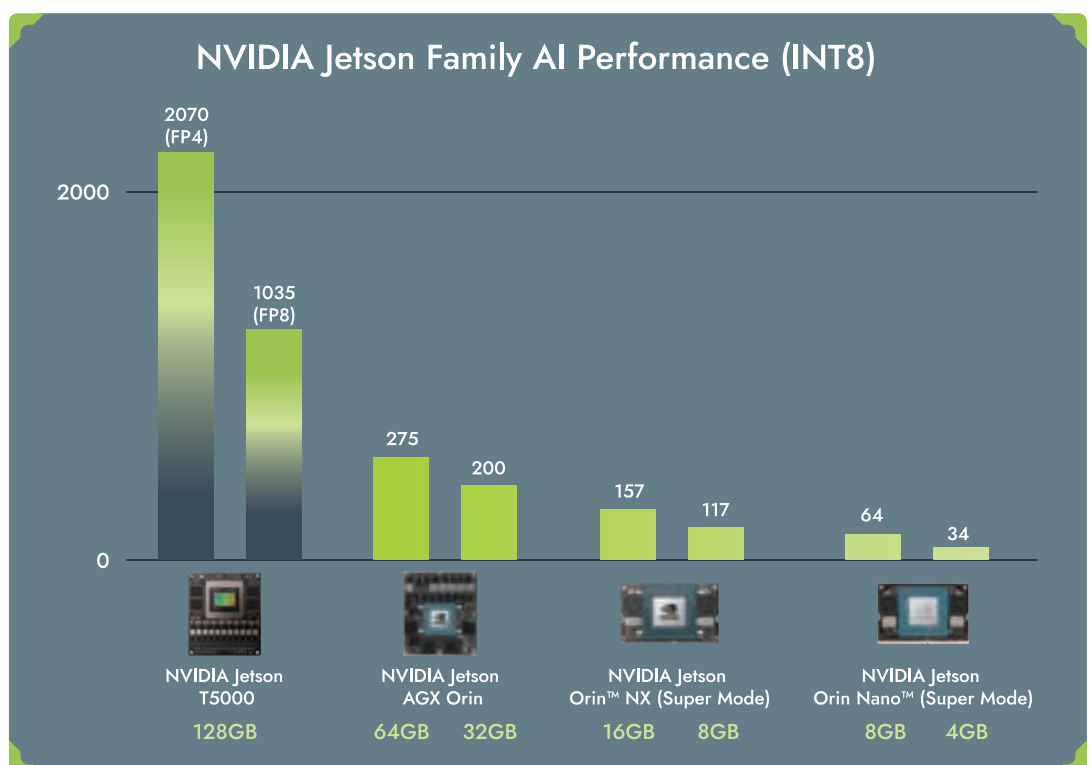
End-to-End Expertise & Elite Support

As an **NVIDIA Elite Partner**, Aetina delivers trusted design expertise and lifetime technical support—helping you scale advanced robotics solutions with confidence.

NVIDIA Jetson Thor — Supercomputer for Robots

Compared to NVIDIA® Jetson AGX Orin™

- Up to 7.5x higher AI performance
- 3.5x better energy efficiency
- Purpose-built to run the most demanding AI models and physical AI workloads at the edge



Powering the Most Sophisticated Robotic Systems



Humanoid Robots

Medical Systems

Autonomous Machines

LLM & VLM

Aerospace Robotics

UUV



Specifications

Model Number	AIB-THOR-ES
Module Compatibility	NVIDIA® Jetson T5000™
CPU	2070 FP4 / 1035 FP8 TFLOPS
Chipset	14-core Arm® Neoverse®-V3AE 64-bit CPU
Memory	128 GB 4266MHz 256-bit
Display	1 x HDMI 2.0b 1 x DP 1.4a
LAN	1 X RJ45 5GbE
USB	2 x USB-C 3.2 Gen 2 2 x USB-A Gen 2
Serial port	1 x RS-485 (COM3, RJ45) 2 x RS-232/422/485 (COM1/2, DB9, Default RS-232)
I/O Interfaces	1 x QSFP28 Slot 1 x HD Audio Header 1 X 12-pin Automation Header 1 x 26-pin CAN Header
Expansion	1 x M.2 M with NVMe Storage 1 x M.2 E with WIFI/BT
Power Input / Connector	9V-28V
Dimension (Wx Dx H)	135 mm x 135mm x 120mm
Net Weight	1.65 kg
Temperature	Operating Temp.: -25°C ~ +55°C Storage Temp.: -40°C ~ +85°C
Humidity	95% (non-condensing)
Support	NVIDIA JetPack™ 7.0

Explore More with Aetina DeviceEdge

Discover compact, high-performance ARM-based edge AI systems—from fan-based, fanless to rugged in-vehicle designs. Accelerated by **NVIDIA Jetson Thor**, **AGX Orin**, **Orin NX**, **Orin Nano** and **NVIDIA IGX Orin™**, Aetina DeviceEdge helps you build reliable, scalable AI at the edge.



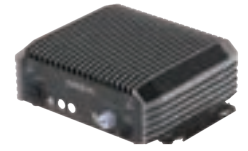
Fanless systems



Fan-based systems



Platforms



In-vehicle

Why Aetina DeviceEdge?



Elite Partner of NVIDIA

Priority Access to NVIDIA to Jetson products and the latest AI technologies, helping you scale with NVIDIA ecosystem.



Rich Set Of Validated Peripherals

Rich I/Os & fully tested peripherals—4G/5G, Wi-Fi, cameras, storage, GPS—saving time and cost.



Comprehensive Tailored Service

Custom I/O, thermal, housing, BSP, IP-level solutions, peripherals integration, compliance test and so on.



Valued-Added Ecosystem

Our partner network—ISVs, cameras, sensors, and tech partners—helps you simplify integration.



AIB-THOR-ES Preview Kit
Product Page



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