

SOVEREIGN EDGE COMPUTE · GENERATIVE AI WORKSTATION

TALON THOR

Purpose-built for generative AI, multimodal systems and autonomous agents - entirely inside your perimeter.



POWERED BY



NVIDIA

NVIDIA® Jetson Thor™

BUILT FOR GENERATIVE AI

Powered by NVIDIA Jetson Thor T4000 or T5000 modules, Allied Talon Thor workstations deliver high-performance local execution for large language models, multimodal models and AI agent applications such as OpenClaw.

GOOGLE FOR EDUCATION ALIGNMENT

- 01 **OPEN MODELS, RUN LOCALLY**
64-128GB of memory per module runs Gemma, Llama and Qwen on-premise.
- 02 **STUDENT DATA STAYS PRIVATE**
Exams, records and AI tutoring run on-premise. Nothing goes to a foreign cloud.
- 03 **LOCAL LANGUAGE AI**
Build and test local-language tutors, speech-to-text and translation that global platforms don't prioritise.

- 04 **FITS THE CHROMEBOOK ROLLOUT**
Chromebooks for learning, this cluster for AI. A pathway from digital literacy to AI skills.
- 05 **A PHYSICAL SHOWCASE**
Hands-on hardware for teacher training and Centres of Excellence.



SYSTEM SPECIFICATIONS

T4000 / T5000

ARCHITECTURE	TALON THOR T4000	TALON THOR T5000 FLAGSHIP
CPU	12-core Arm Neoverse V3AE	14-core Arm Neoverse V3AE
GPU	1536-core NVIDIA Blackwell architecture GPU with 64 fifth-gen Tensor Cores Multi-Instance GPU (MIG) with 6 TPCs	2560-core NVIDIA Blackwell architecture GPU with fifth-gen Tensor Cores Multi-Instance GPU (MIG) with 10 TPCs
AI COMPUTE	1,200 Sparse FP4 TFLOPS	2,070 Sparse FP4 TFLOPS
MEMORY	64GB LPDDR5x · 273 GB/s	128GB LPDDR5x · 273 GB/s
STORAGE	1TB / 2TB PCIe Gen 4 NVMe	
VIDEO	2× HDMI 2.1 - up to 4K (4096 × 2160) @ 60Hz	
WIRED I/O	4× USB 3.2 Gen 2 · USB-C	
NETWORK	2× 10GbE RJ45 · Wi-Fi 6 · Bluetooth	
OPERATING SYSTEM	NVIDIA Ubuntu 24.04 - JetPack 7.1	
POWER	40-70W configurable - 24V DC in	40-130W configurable - 24V DC in
DIMENSIONS	130 × 125 × 75 mm - 1.3 kg	