

Coeus-4002T

Edge AI Computers
Based on NVIDIA Jetson Thor platform



Main Features

- ◆ Features the NVIDIA® Jetson Thor™ module, delivering 2070 FP4 TFLOPS of computing power, providing desktop-class AI inference capabilities for edge devices.
- ◆ SIntegrates NVIDIA's full-stack AI and robotics development ecosystem, significantly lowering the barrier from simulation to edge deployment.
- ◆ Optimized for two frontier applications: Humanoid Robots and Henerative AI.
- ◆ Optional 4x25GbE high-speed optical ports, designed for real-time processing fused data streams from multi-sensors.

Supports All Modern Gen AI Frameworks and Models

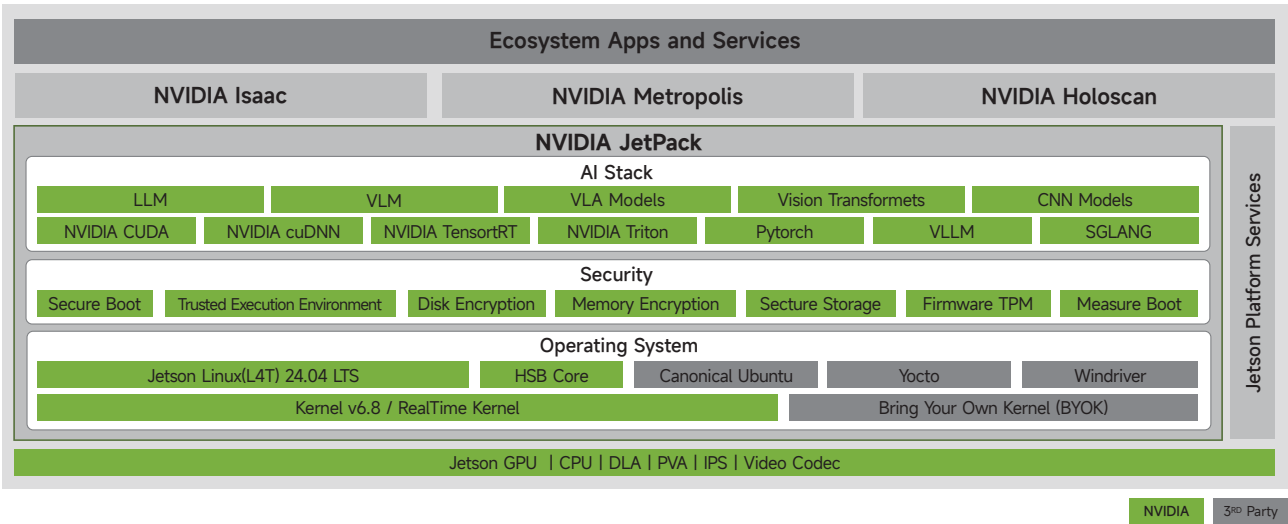
AI Frameworks



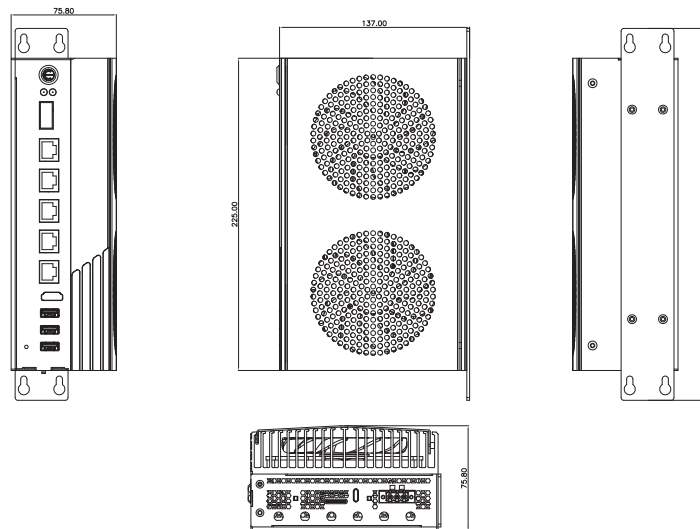
Generative AI Models



Jetson Software Stack



Dimension Drawing



Specifications

Model	Jetson Thor T5000 128GB Jetson Thor T4000 64GB
CPU	14-core Arm® Neoverse®-V3AE 64-bit 1MB L2 +16MB L3 2.6 GHz 12-core Arm® Neoverse®-V3AE 64-bit 1MB L2 +16MB L3 2.6 GHz
GPU	2560-core NVIDIA Blackwell GPU with 96 Tensor Cores, 1.57GHz 1536-core NVIDIA Blackwell GPU with 64 Tensor Cores, 1.53GHz
Memory	128 GB 256-bit LPDDR5X 64 GB 256-bit LPDDR5X
AI performance	2070 TFLOPS 1200 TFLOPS
Storage	Supports NVMe SSDs via PCIe
Front I/O Interfaces	1 × Power Switch 2 × Indicator LEDs (PWR, SYS) 1 × QSFP28 (Expandable to 4×25G optical modules) * 5 × RJ45 2.5G LAN 1 × HDMI 3 × USB 3.0 1 × Ground screw hole
Rear I/O Interfaces	1 × Recovery Button 1 × OTG (Type-C) 1 × 3P Power Connector 1 × Debug Button 1 × Nano-SIM 6 × Antenna holes

* When T4000 module is used, QSFP28 supports expansion of 3×25G optical modules; 4×CAN function is not available.

Expansion	1 × M.2 E-Key 2230 (Supports PCIe x1 / USB2.0 signals) 1 × M.2 M-Key 2280 (Supports PCIe x4 signals) 1 × M.2 B-Key 3052 (Supports USB3.0&2.0 / SIM signals) 2 × COM onboard headers (partial signals only, software-selectable RS-232/422/485) 4 × CAN onboard headers *
Fan	2 × DC 12V 9015
Power supply	
Power input	DC 24-30V
Mechanical Specifications	
Dimensions	75.8mm (W) x 137mm (D) x 268mm (H) (Including bracket)
Mounting	Wall-mount, DIN-rail mount
Environment	
Operating temperature	-10 ~ 50 °C with air flow
Storage temperature	-20 ~ 80 °C
Relative humidity	40°C, 95% (non-condensing)

Ordering Information

Model	Coeus-4002T	Coeus-4002T-40
Module	Jetson Thor T5000	Jetson Thor T4000
Memory	128 GB	64 GB
Storage	512 GB	512 GB
Order number	10JD4002T01XH	10JD4002T02XH
Accessories	230W power supply standard	



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