# Coeus-4002T

Edge AI Computers
Based on NVIDIA Jetson Thor platform

POWERED BY NVIDIA


## Main Features

- Features the NVIDIA® Jetson ThorTM 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 4×25GbE high-speed optical ports, designed for real-time processing fused data streams from multi-sensors.

## Supports All Modern Gen AI Frameworks and Models

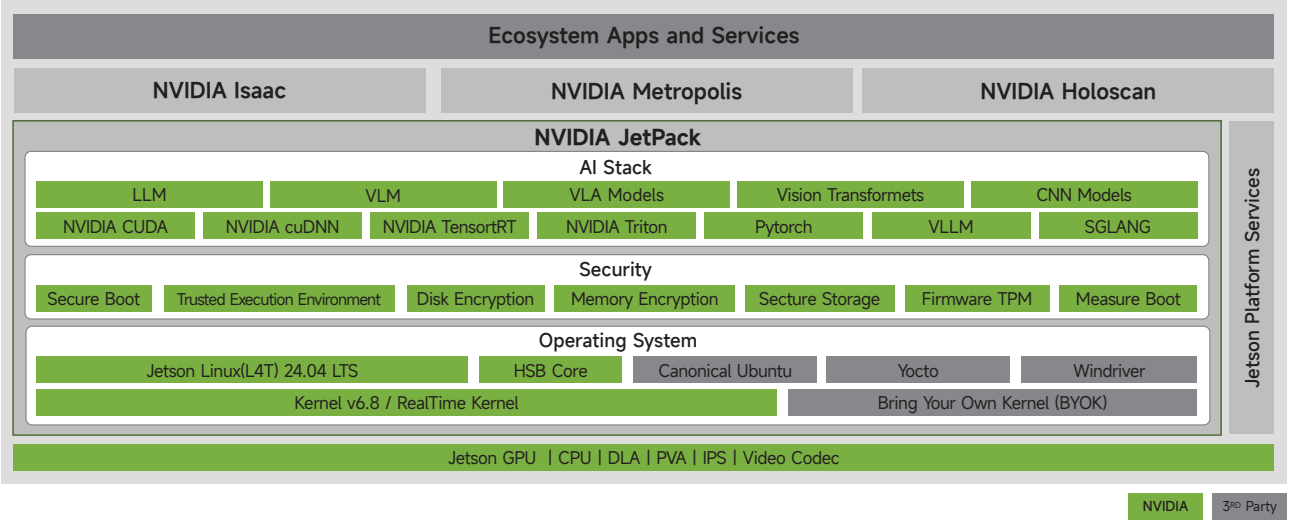
**AI Frameworks**

Hugging Face · Anyscale · LLaMA · Machine Learning Compilation · NVIDIA TensorRT-LLM · ONNX · PyTorch · SGL · TensorRT · vLLM

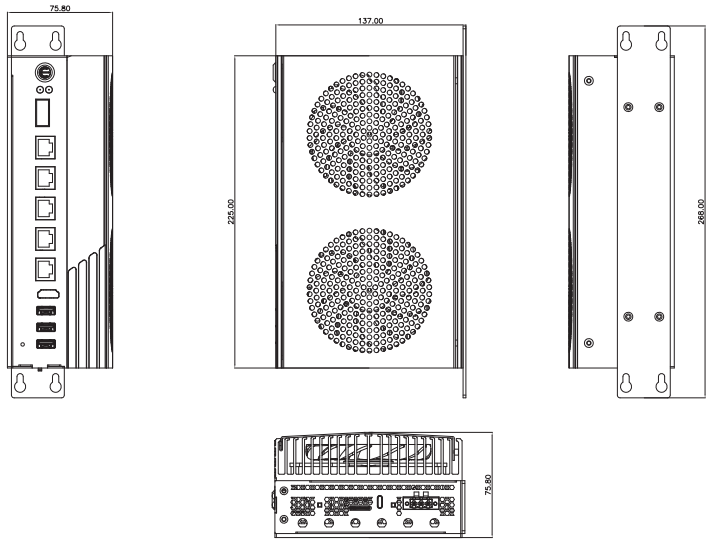
**Generative AI Models**

ByteDance · deepseek · Gemini · Meta · Mistral AI_ · OpenAI · Physical Intelligence (π) · Qwen

## Jetson Software Stack



## Dimension Drawing




# Specifications

| | |
|---|---|
| Model | NVIDIA Jetson Thor T5000 |
| CPU | 14 -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 |
| Memory | 128 GB 256-bit LPDDR5X |
| 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 |
| 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 |
|---|---|
| AI performance | 2070 TFLOPS |
| Order number | 10JD4002T00XH |
| Module | Jetson T5000 |

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