

# Coeus-4002T

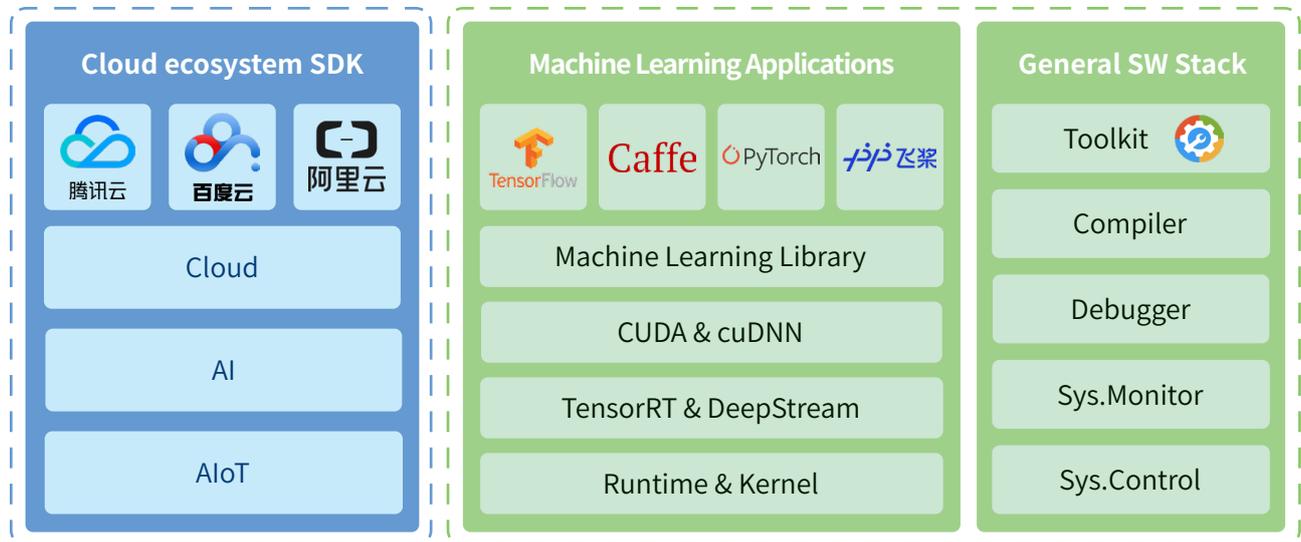
Edge AI Computers  
Based on NVIDIA Jetson Thor platform



## 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.

## Software Application Service



AI Environment	<ul style="list-style-type: none"> <li>• Ubuntu 24.04</li> <li>• VisionWorks</li> <li>• DeepStream</li> </ul>	<ul style="list-style-type: none"> <li>• CUDA Toolkit</li> <li>• OpenCV</li> <li>• Container Runtime</li> </ul>	<ul style="list-style-type: none"> <li>• cuDNN</li> <li>• TensorRT</li> </ul>	<ul style="list-style-type: none"> <li>• Multimedia</li> <li>• VPI on target</li> </ul>
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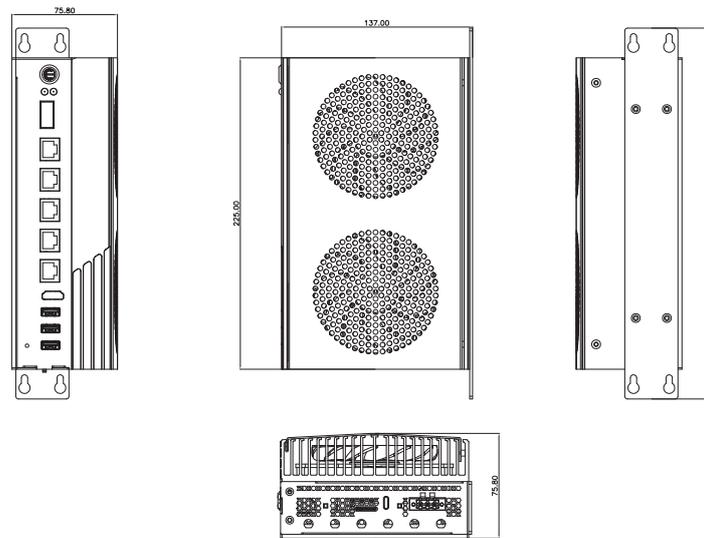


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## Dimension Drawing



## 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
Rear I/O Interfaces	3 × USB 3.0
	1 × Recovery Button
	1 × OTG (Type-C)
	1 × 3P Power Connector
	1 × Debug Button
Expansion	1 × Nano-SIM
	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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