

Orin IGX 2U Rack Mount

Inventec

創新
Innovation

品質
Quality

虛心
Open Mind

力行
Execution



Inventec-Edge IGX Orin series

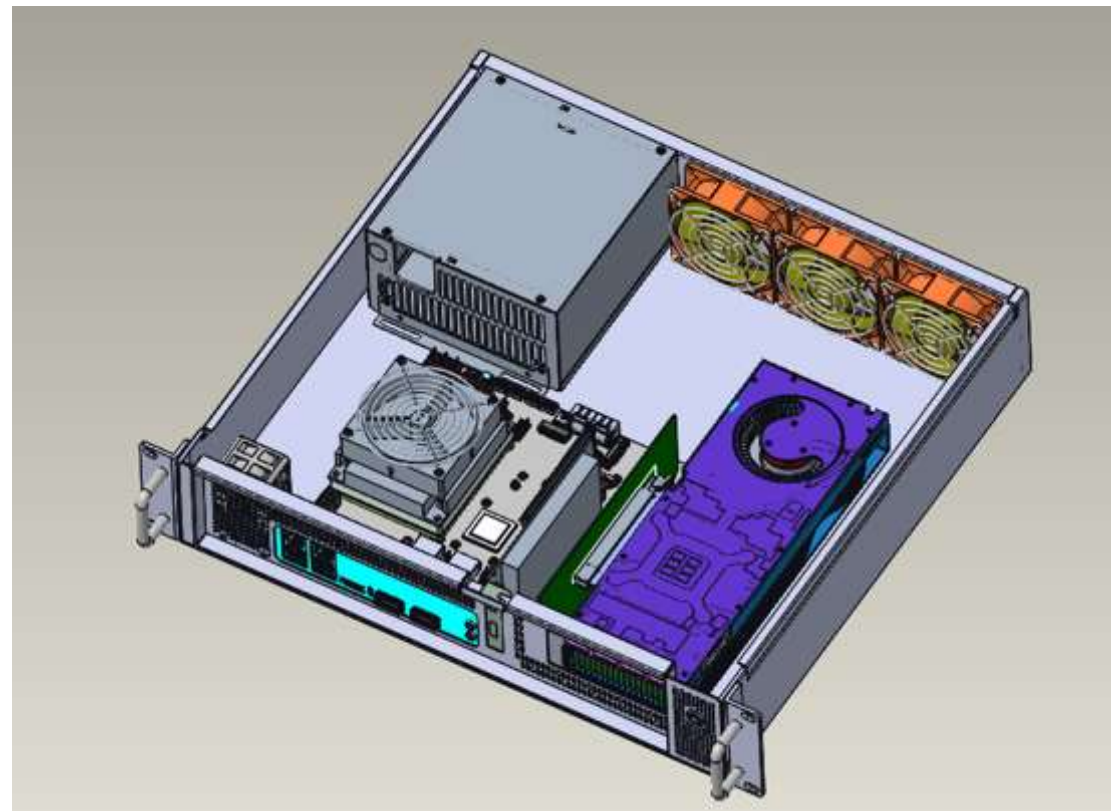
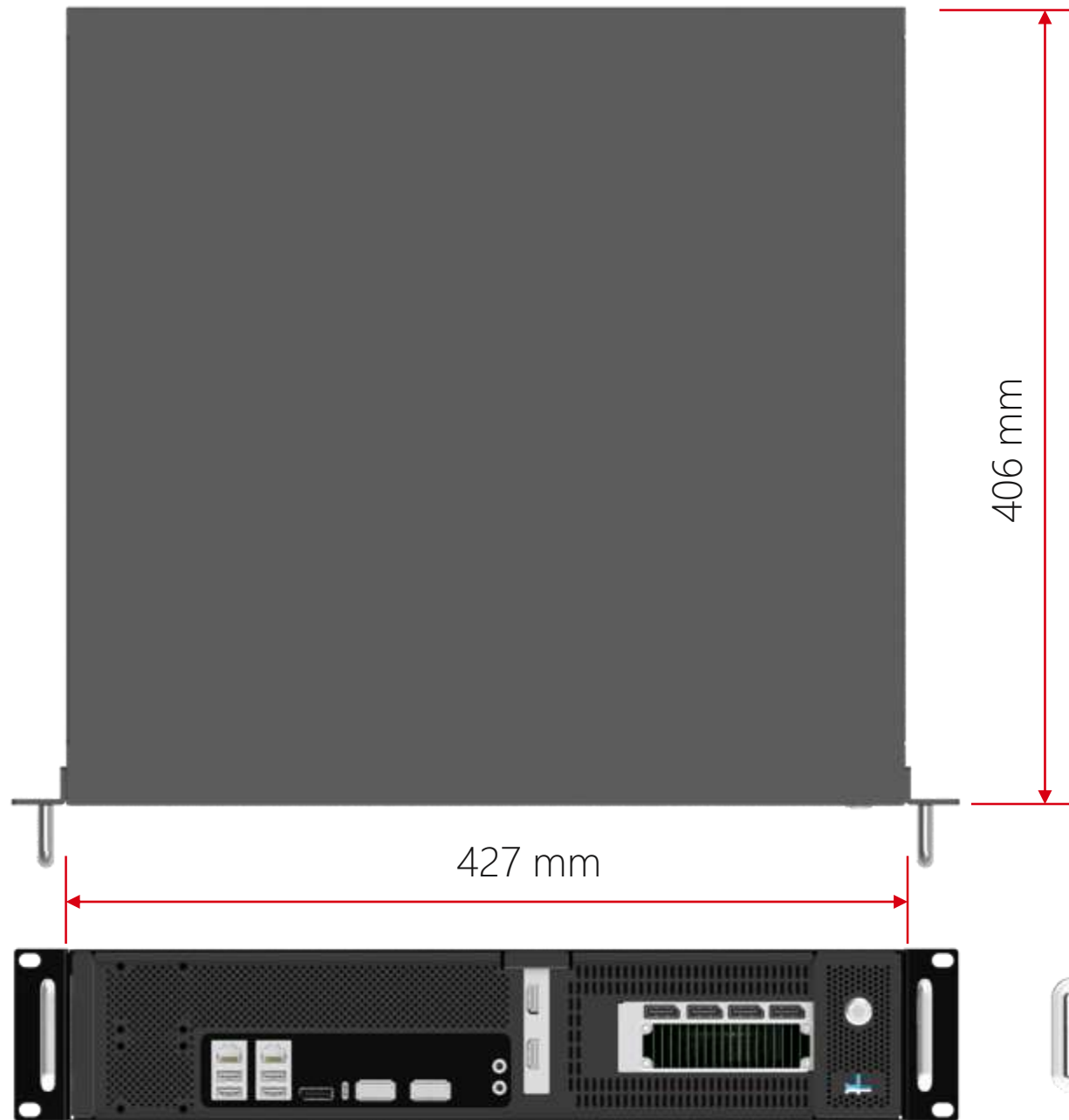
- ◆ Deliver high-performance AI computing with NVIDIA Orin SoC, offering up to 275 TOPS
- ◆ Ensure industrial-grade reliability for safety-critical applications with long-term support
- ◆ Provide scalability and security with enterprise-grade protection and industrial automation
- ◆ Optimize healthcare, robotics, and industrial edge AI applications
- ◆ Enable seamless integration with NVIDIA AI Enterprise and JetPack SDKs

Specification

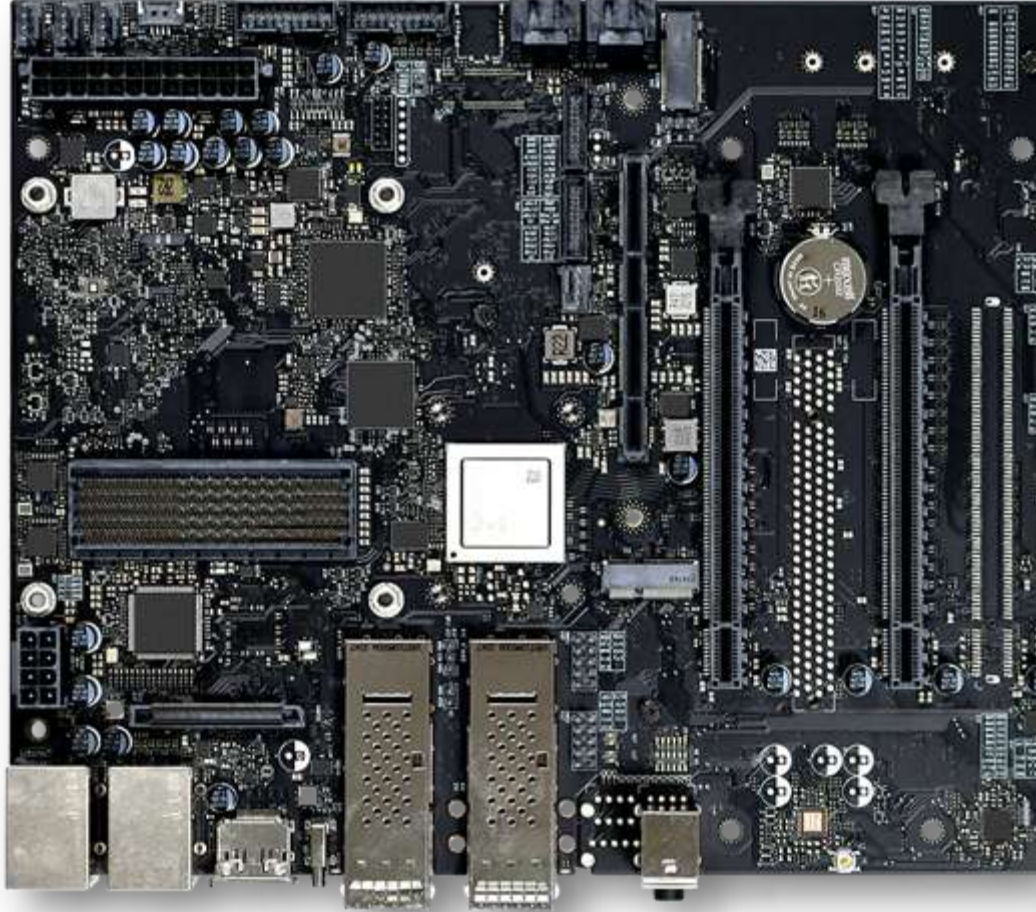
Model	IGX Orin series
GPU	Integrated GPU : NVIDIA Ampere architecture, 2048 NVIDIA® CUDA® cores, 64 Tensor Cores; Optional GPU : NVIDIA RTX6000 Ada, NVIDIA Ampere architecture, 48 GB GDDR6 Memory, 10752 NVIDIA® CUDA® cores, 336 Tensor Cores
CPU	12-core Arm® Cortex® -A78AE v8.2 64-bit CPU 3MB L2 + 6MB L3
AI Performance	700 TOPS
Storage	1TGB SSD
RAM	64GB LPDDR6
Dimension	2U AI Edge Formfactor
I/O	4 x USB3.2 Type-A, 1 x USB3.2 Type-C 1 x HDMI in (There is no display output from the HDMI port) 1 x DisplayPort output, 2 x 100 GbE QSFP28 2 x 1GbE RJ45 2 x 3.5mm audio jack (Line-out x 1, MIC x 1)
Expansion Slots	1 x PCIe Gen5 single width slots(x 8 connected) 1 x PCIe Gen5 double width slot (x16 connected) - Yuan SC400 N2-L HDMI (included) - Optional RTX 6000 Ada
Display Interface	4 x DP (from Optional RTX6000 Ada)
Ethernet	2 x 100Gb ports. 2 x RJ45 for 10 / 100 / 1,000 Mbps Ethernet DHCP Client
Power Supply	860W ATX



2U IGX ORIN Rack Mount



Features



Powered by NVIDIA
IGX Orin™ + RTX
A6000 GPU

Up to 700 TOPS AI
Performance.

NVIDIA IGX Orin
Industrial Module

ARM A78AE CPU
Complex

NVIDIA Ampere
iGPU

NVIDIA BMC
Module

NVIDIA ConnectX-7

32 lanes of up to
PCIe Gen5 w/
integrated PCIe
Switch

2x QSFP28 100GbE
Ethernet

Safety MCU

1T GB SSD

Realtek WiFi / BT
Module

NVIDIA RTX A6000
dGPU



Thank you!



Inventec