

NUCLEUS GP 1U



Config 1: up to 4 NVIDIA RTX GPUs



Config 2: 1-2 NVIDIA RTX GPUs and up to 4 NVMe SSDs

**High-density, 1U rack
height, short 28" depth**

**Up to (4) NVIDIA RTX
A4000, A5000, or
A6000 GPUs**

**Powerful AMD and
Intel processor and
memory configurations**

**Massive NVMe SSD
storage configurations**

The Nucleus GP 1U is a platform designed to pack maximum GPU processing power in a minimal compact chassis for edge computing use cases. This short-depth rackmount houses up to 4 NVIDIA RTX™ GPUs for tackling massive datasets.

High-performance GPUs offer massive data processing power for a variety of applications:

Data Analytics

Accelerated data science can dramatically boost the performance of end-to-end analytics workflows, speeding up value generation while reducing cost.

Machine Learning

Help businesses understand their customers, build better products and services, and improve operations.

Inference Platforms

NVIDIA's inference platform delivers the performance, efficiency, and responsiveness critical to powering the next generation of AI products and services.

Prediction and Forecasting

With NVIDIA accelerated data science, businesses can take massive-scale datasets and craft

highly accurate insights to fuel data-driven decisions.

Rendering

The NVIDIA RTX platform features the fastest GPU-rendering solutions available today. By combining the power of NVIDIA RTX or NVIDIA Quadro RTX graphics cards with NVIDIA RTX™ technology-enabled applications, designers and artists across industries can bring state-of-the-art rendering to their professional workflows.

Available CPUs	<ul style="list-style-type: none">• AMD EPYC Processor• Intel Xeon Processor
Memory	8x DDR4 DIMMs up to 1TB 3200MHz ECC
PCI Expansion and Storage Configurations	<p>Configuration 1</p> <ul style="list-style-type: none">• 1-4 NVIDIA RTX A4000, A5000 or RTX A6000 GPUs <p>Configuration 2</p> <ul style="list-style-type: none">• 1-2 NVIDIA RTX A4000, A5000 or RTX A6000 GPUs• Up to 4 U.2 NVMe SSDs to 30TB each
Standard Storage	2x M.2 NVMe drives up to 4TB each
Operating Systems	Ubuntu, CentOS, RedHat and Windows 10 Pro 64
Power Supply	1+1 AC 1300W, 110/220V
Physical	<ul style="list-style-type: none">• 1U depth, 28.25 in (71.75 cm) depth• Rackmount slide options for 26"to 32" rack depth cabinet mounting
Warranty	1 year parts and labor; 2nd and 3rd year warranties available



Rear view