



External PCIe Gen3 to GPU Desktop Enclosure

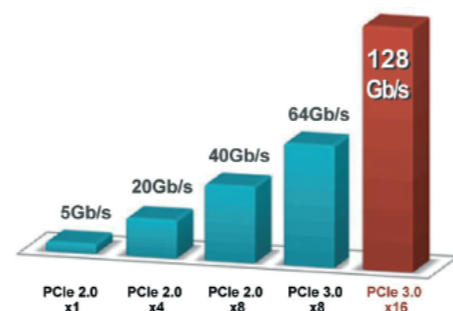
- » Extremely High-Speed 128Gbps PCIe 3.0 x16 host connectivity
- » Solid metal structure with stylish aluminum housing
- » Dedicated single 1000 watts power supply for GPU usage
- » Two quiet front 120x120x25 mm fan cooling for self-contained ventilation
- » Capable of up to four dual-slot GPU or any single-slot PCIe cards
- » Environmental Monitoring with Power/FAN/TEMP LEDs and mutable buzzer alarm

Overview

The Netstor PCIe Gen3 GPU enclosure NA255A uses the latest PCIe 3.0 technology with PCIe Gen3 x16 host interface providing extremely fast data transfer rates up to 128Gbps between host and GPU enclosure. The PCIe Gen3 enclosure supports up to four (4) double-width GPU cards with the supply of the built-in eight 6+2 pin PCIe power connectors from the power source. The enclosure features four PCIe 3.0 x16 slots and two PCIe 3.0 x4 slots (available as choice) on backplane, accommodating all combinations of PCIe Gen3 x1, x4, x8 and x16 GPU or PCIe cards for every application with backward compatibility with Gen2 GPU or PCIe cards.

The External Enclosure Dedicated for GPU Computing

As Netstor external PCIe 3.0 GPU enclosure NA255A is designed to be dedicated for multi-GPU usage and supercomputing applications, much emphasis has been put on the ventilation design of the enclosure by the engineers of Netstor's mechanical and R&D departments to assure users of highly efficient heat dissipation and low temperature to the high-performance GPU cards running inside. Therefore, constant working and stable operation to the GPU computing with abundant productivity is guaranteed. The Netstor GPU enclosure with multiple GPUs is surely committed to working on any mission critical tasks in high performance computing and so on.

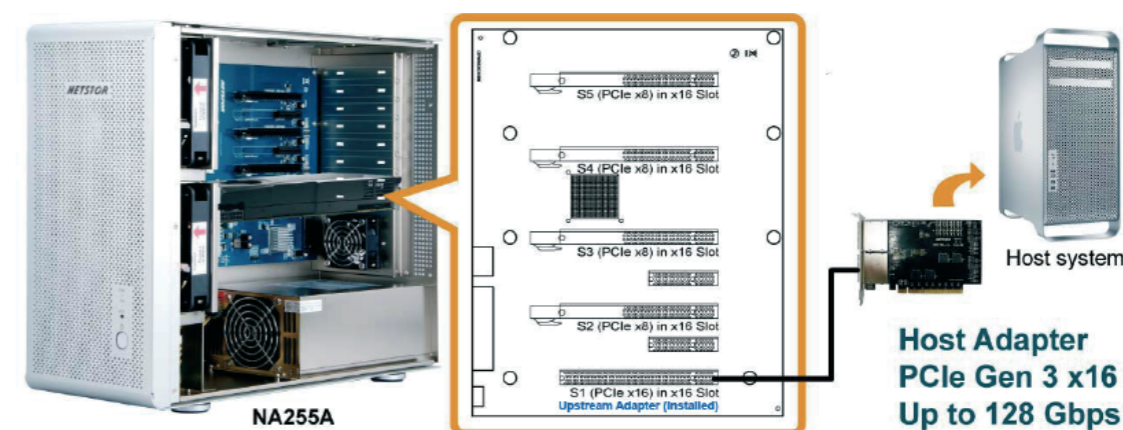


Best Solution for GPU-Accelerated Applications

Ideal for professionals and developers to increase the performance of GPU-intensive applications, the power of multiple GPU cards inside the Netstor PCIe Gen3 GPU enclosure collaborates strongly with the CPUs inside host, server or workstation through the PCIe 3.0 x16 host interface to accelerate the processing speed of application to up to tens of times compared to working on CPUs alone.

The Netstor PCIe Gen3 GPU solution with multiple GPUs for HPC can be fully applied to fields including digital content creation, medical research, motionDSP, financial simulation, 3D seismic interpretation, molecular modeling, 3D Ultrasound TechniScan, gene sequencing, weather modeling, engineering design and astrophysics.

Expansion Backplane



Specifications

Model	NA255A
Form Factor	Desktop
Host Interface	Up to 128Gb/s external PCIe 3.0 x16
No. of Slots	4* PCI Express 3.0 x8 (x16 connector) 2* PCI Express 2.0 x4 (x4 connector) Note: PCIe 2.0 x4 slots will be available when upstream port working under PCIe 3.0 x8 mode only
Card Length Available	Supports full length,full height PCI Express Cards
LED Display for Enclosure	Power-On LED - Blue FAN normal - green; Fan failure - Red TEMP normal - green; TEMP Over 55°C - red
Cooling	Front: two 120x120x25 mm cooling fans Rear: Optional blower fan
Alarm	Buzzer beeping for fan failure or over temperature (over 55°C) occurs
Material	Solid metal structure with aluminum housing
Power Supply	Model : NA255A-XGPU Universal Single 1000W (Server-grade) Input: 90~230 VAC/50-60 HZ
Dimension	450 (D) x 175.8 (W) x 374 (H) mm 17.7 (D) x 6.9 (W) x 14.7 (H) inch
O.S. Support	O.S. independent
Host Requirement	One PCIe 3.0 x16 slot