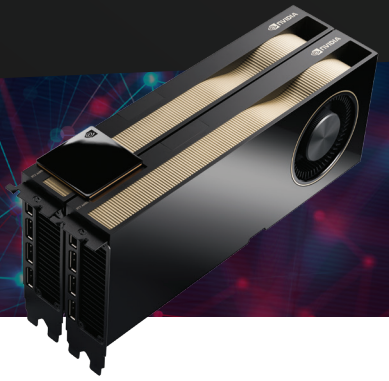




LARGE FRAME BUFFER. SMALL PRICE.



EXPERIENCE 40GB OF GPU MEMORY*

As new applications add AI, real-time rendering, and simulation capabilities to their feature sets - all of which must be resident in GPU memory for maximum performance and creativity- the size of GPU memory is becoming more critical.

Connecting two NVIDIA® RTX™ A4500 professional graphics boards with third generation NVLink enables scaling of GPU memory to 40GB*. NVLink aware frameworks or applications also affect CUDA, RT, and Tensor Core counts, allowing performance to scale with near linear results.

BENEFITS OF LARGER FRAME BUFFERS INCLUDE THE ABILITY TO:

- Work with compute and AI-augmented applications and workflows
- Work with larger 3D models, scenes and photorealistic renders
- Work with higher resolution and high frame-rate video, across multiple 4K HDR displays
- Power complex multi-application workflows across multiple 4K HDR displays

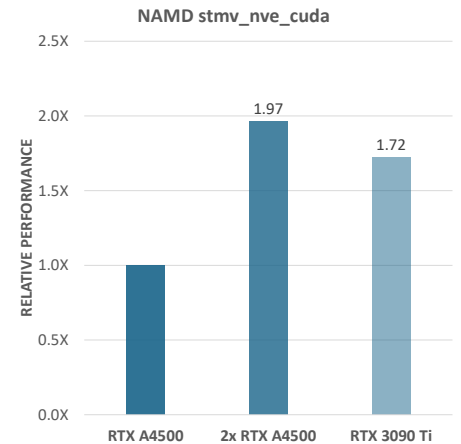
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NVIDIA RTX A4500 FOR HPC

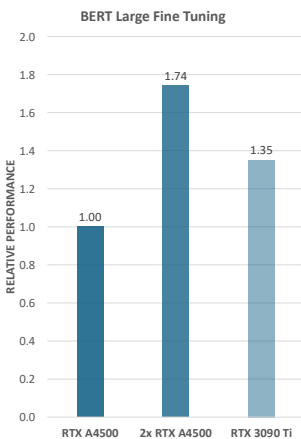
Dual-A4500 GPUs Up to 25% Faster CUDA Compute Performance Compared to Ultra-High-End Consumer GPUs



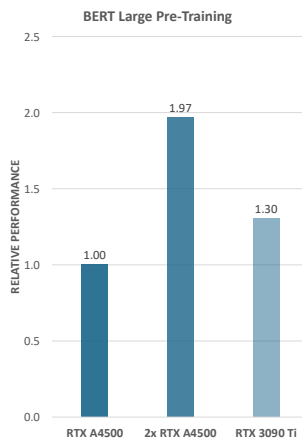
Test run on an Intel Xeon Gold 6154 @ 3.0GHz, 3.7GHz turbo, 64GB DDR4 ECC, Ubuntu 20.04.2, NVIDIA driver 510.39 Benchmark results from publicly NAMD stmv_nve_cuda benchmarks, precision-FP32, NCCL version-2.11.4, margin-8, Ensemble-Yes

NVIDIA RTX A4500 FOR AI

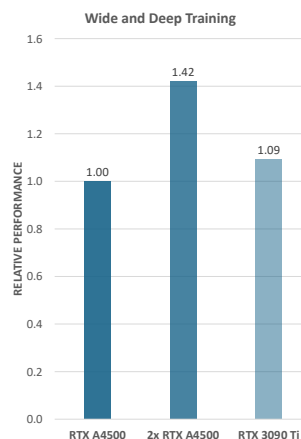
Dual-A4500 GPUs Up to 90% Faster AI Training Performance Compared to Ultra-High-End Consumer GPUs



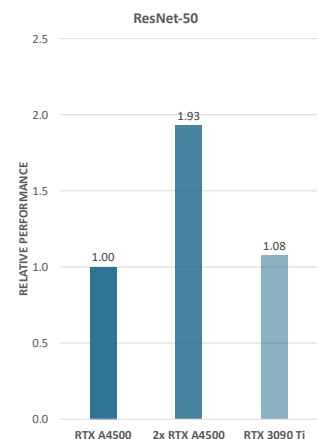
Test run on an Intel Xeon Gold 6154 @ 3.0GHz, 3.7GHz turbo, 64GB DDR4 ECC, Ubuntu 20.04.2, NVIDIA driver 470.62.07. Benchmark results from publicly available PyTorch BERT Large Fine Tuning Training benchmark tests, precision-Mixed



Test run on an Intel Xeon Gold 6154 @ 3.0GHz, 3.7GHz turbo, 64GB DDR4 ECC, Ubuntu 20.04.2, NVIDIA driver 470.62.07. Benchmark results from publicly available PyTorch BERT Large Pre-Training benchmark tests, precision-TF32



Test run on an Intel Xeon Gold 6154 @ 3.0GHz, 3.7GHz turbo, 64GB DDR4 ECC, Ubuntu 20.04.2, NVIDIA driver 470.62.07. Benchmark results from publicly available TensorFlow Wide and Deep Training benchmark tests, precision-Mixed



Test run on an Intel Xeon Gold 6154 @ 3.0GHz, 3.7GHz turbo, 64GB DDR4 ECC, Ubuntu 20.04.2, NVIDIA driver 470.62.07. Benchmark results from publicly available TensorFlow ResNet-50 V1.5 Training benchmark tests, precision-Mixed

TO LEARN MORE :

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* Development framework or application needs to support NVLink to realize benefits gained from memory pooling and performance scaling. Kit includes two NVIDIA RTX A4500 GPUs and one NVLink connector.

