Graphics Card NVIDIA 48 GB GDDR6 384 bit 4xDisplayPort 669-2G133-242-XXX

Model: 669-2G133-242-XXX

Manufacturer: NVIDIA

Product Code: 14102

R218,376

The Most Powerful Universal GPU

Experience breakthrough multi-workload performance with the NVIDIA L40S GPU. Combining powerful AI compute with best-in-class graphics and media acceleration, the L40S GPU is built to power the next generation of data center workloads—from generative AI and large language model (LLM) inference and training to 3D graphics, rendering, and video.

Powered by the NVIDIA Ada Lovelace Architecture

Fourth-Generation Tensor Cores

Hardware support for structural sparsity and optimized TF32 format provides out of-the-box performance gains for faster AI and data science model training. Accelerate AI-enhanced graphics capabilities with DLSS to upscale resolution with better performance in select applications.

Third-Generation RT Cores

Enhanced throughput and concurrent ray-tracing and shading capabilities improve ray-tracing performance, accelerating renders for product design and architecture, engineering, and construction workflows. See lifelike designs in action with hardware-accelerated motion blur and stunning real-time animations.

CUDA Cores

Accelerated single-precision floating point (FP32) throughput and improved power efficiency significantly boost performance for workflows like 3D model development and computer-aided engineering (CAE) simulation. Use enhanced 16-bit math capabilities (BF16) for mixed-precision workloads.

Transformer Engine

Transformer Engine dramatically accelerates AI performance and improves memory utilization for both training and inference. Harnessing the power of the Ada Lovelace fourth-generation Tensor Cores, Transformer Engine intelligently scans the layers of transformer architecture neural networks and automatically recasts between FP8 and FP16 precisions to deliver faster AI performance and accelerate training and inference.

Efficiency and Security

L40S GPU is optimized for 24/7 enterprise data center operations and designed, built, tested, and supported by NVIDIA to ensure maximum performance, durability, and uptime. The L40S GPU meets the latest data center standards, are Network Equipment-Building System (NEBS) Level 3 ready, and features secure boot with root of trust technology, providing an additional layer of security for data centers.

DLSS 3

L40S GPU enables ultra-fast rendering and smoother frame rates with NVIDIA DLSS 3. This breakthrough frame-generation technology leverages deep learning and the latest hardware innovations within the Ada Lovelace architecture and the L40S GPU, including fourth-generation Tensor Cores and an Optical Flow Accelerator, to boost rendering performance, deliver higher frames per second (FPS), and significantly improve latency.

Summary: Nvidia L40S. Graphics processor family: NVIDIA, Graphics processor: L40S, Processor

frequency: 1065 MHz. Discrete graphics card memory: 48 GB, Graphics card memory type: GDDR6, Memory bus: 384 bit, Memory clock speed: 9001 MHz. Interface type: PCI Express x16 4.0. Cooling type: Passive | Vendor Homepage: https://www.nvidia.com/en-us/data-center/l40s/ | CUDA: Yes | CUDA cores: 18176 | Graphics processor: L40S | Graphics processor family: NVIDIA | Parallel processing technology support: Not supported | Processor boost clock speed: 2520 | Processor frequency: 1065 | Discrete graphics card memory: 48 | Graphics card memory type: GDDR6 | Memory bandwidth (max): 864 | Memory bus: 384 | Memory clock speed: 9001 | DisplayPort version: 1.4a | DisplayPorts quantity: 4 | Interface type: PCI Express x16 4.0 | Dual Link DVI: No | TV tuner integrated: No | Bracket height: Full-Height (FH) | Cooling type: Passive | Form factor: Full-Height/Full-Length (FH/FL) | Number of slots: 2 | Product colour: Beige | Power consumption (max): 350 | Supplementary power connectors: 1x 16-pin | Non-operating relative humidity (non-condensing): 5 - 95 | Operating relative humidity (H-H): 5 - 85 | Operating temperature (T-T): 0 - 50 | Storage temperature (T-T): -40 - 75 | Weight: 1052 | Model: 669-2G133-242-XXX | Units per Shipping Box: 1 | Unit Calculated Volume: 0.00594 | Product Net Weight: 1.052 | Unit Calculated Weight: 1.86