

PNY Quadro GV100 32GB HBM2 4096-bit, PCI-E 3.0 x16, FH, NVlink Support, HDCP 2.2, HDMI 2.0 with optional adapter

Kod producenta: VCQGV100-PB



Architecture	Volta
CUDA Cores	5120
Tensor Cores	640
FP32 Performance	14.8 TFLOPS
Tensor Core Performance	118.5 TFLOPS
GPU Memory	32 GB
GPU Memory Type	HBM2 ECC
Memory Bandwidth	Up to 870 GB/s
Memory Interface	4096-bit
System Interface	PCI-E 3.0 x16
Display Connectors	DisplayPort 1.4 (4)
Max Digital Resolution	7680 x 4320 x36 bpp at 60 Hz
Max Power Consumption	250 W
Thermal Management	Active Fansink
NVLink	Connects 2 Quadro GV100 GPUs
NVLink Interconnect	200 GB/s

NVIDIA Quadro GV100

Unmatched Power. Unmatched Creative Freedom.

AI, photo realistic rendering, simulation, and VR are transforming professional workflows. Engineers can now create groundbreaking products faster. Architects can design buildings that could only have existed in their imaginations. And artists can render complex photorealistic scenes in seconds instead of hours. As applications continue to be enhanced with these technologies, professional computing tools need to keep pace.

The NVIDIA® Quadro® GV100 is reinventing the workstation to meet the demands of these next-generation workflows. It's powered by NVIDIA Quadro Volta, delivering the extreme memory capacity, scalability, and performance that designers, architects, and scientists need to create, build, and solve the impossible.

Based on a state-of-the-art 12nm FFN (FinFET NVIDIA) high-performance manufacturing process customized for NVIDIA to incorporate 5120 CUDA cores, the NVIDIA Quadro GV100 GPU is the most powerful computing platform for HPC, AI, VR and graphics workloads on professional desktops. Able to deliver more than 7.4 TFLOPS of double-precision (FP64), 14.8 TFLOPS of single-precision (FP32), 29.6 TFLOPS of half-precision (FP16), 59.3 TOPS of integer-precision (INT8), and 118.5 TFLOPs of tensor operation capability, it supports a wide range of compute-intensive workloads flawlessly.

New mixed-precision Tensor Cores purpose-built for deep learning matrix arithmetic, deliver an 8x boost in TFLOPS performance for training, compared to the previous generation. NVIDIA Quadro GV100 utilizes 640 Tensor Cores; each Tensor Core performs 64 floating point fused multiply-add (FMA) operations per clock, and each SM performs a total of 1024 individual floating point operations per clock.

Strona firmowa produktu:

<https://www.superstorage.pl/pny-quadro-gv100-32gb-hbm2-4096-bit-pci-30-x16-fh-nvlink-support-hdcp-2-hdmi-20-with-optional-adapter-p-5810.html>