REINVENTING THE WORKSTATION FOR AI
NVIDIA QUADRO GV100

The Power To Accelerate AI-Enhanced Workflows

The NVIDIA® Quadro® GV100 reinvents the workstation to meet the demands of AI-enhanced design and visualization workflows. It's powered by NVDIA Volta, delivering extreme memory capacity, scalability, and performance that designers, architects, and scientists need to create, build, and solve the impossible.

Supercharge Rendering with AI
> Work with full fidelity, massive datasets
> Enjoy fluid visual interactivity with AI-accelerated denoising

Bring Optimal Designs to Market Faster
> Work with higher fidelity CAE simulation models
> Explore more design options with faster solver performance

Enjoy Ultimate Immersive Experiences
> Work with complex, photoreal datasets in VR
> Enjoy optimal NVIDIA Holodeck experience

Realize New Opportunities with AI
> Access DL frameworks for AI development via NVIDIA NGC
> Accelerate AI training/inferencing with Tensor Cores and NVLink

All Quadro cards are certified with a broad range of professional applications, tested by leading workstation manufacturers, and backed by a global team of support specialists to give you the peace of mind to focus on doing your best work.

To learn more about the NVIDIA Quadro GV100 visit
www.pny.eu/quadro

FEATURES

> Four DisplayPort 1.4 Connectors[3]
> DisplayPort with Audio
> 3D Stereo Support with Stereo Connector[3]
> NVIDIA GPUDirect™ Support
> NVIDIA NVLink Support[1]
> Quadro Sync II[4] Compatibility
> NVIDIA nView® Desktop Management Software
> HDCP 2.2 Support
> NVIDIA Mosaic[5]

PACKAGE CONTENTS

> NVIDIA Quadro GV100
> Quick Start Guide
> Quadro Support Guide
> 4 DisplayPort to DVI Adapters
> 1 DisplayPort to HDMI Adapter
> 1 Stereo Connector Bracket
> 1 Auxiliary Power Cable (8-pin to dual 6-pin adapter)

WARRANTY AND SUPPORT

> 3-Year Warranty
> Pre- and Post-Sales Technical Support
> Dedicated Field Application Engineers
> Direct Tech Support Hot Lines

PNY PART NUMBER SPECIFICATIONS	VCQGV100-PB
GPU Memory	32 GB HBM2
Memory Interface	4096-bit
Memory Bandwidth	Up to 870 GB/s
ECC	Yes
NVIDIA CUDA Cores	5,120
NVIDIA Tensor Cores	640
Double-Precision Performance	7.4 TFLOPS
Single-Precision Performance	14.8 TFLOPS
Tensor Performance	118.5 TFLOPS
NVIDIA NVLink	Connects 2 Quadro GV100 GPUs[2]
NVIDIA NVLink bandwidth	200 GB/s
System Interface	PCI Express 3.0 x 16
Max Power Consumption	250 W
Thermal Solution	Active
Form Factor	4.4" H x 10.5" L, Dual Slot, Full Height
Display Connectors	4x DP 1.4
Max Simultaneous Displays	4 direct, DP 1.4
Display Resolution	4x 4096x2160 @ 120 Hz 4x 5120x2880 @ 60 Hz 2x 7680x4320 @ 60 Hz
VR Ready	Yes
Graphics APIs	Shader Model 5.1, OpenGL 4.5[6], DirectX 12.0[7], Vulkan 1.0[6]
Compute APIs	CUDA, DirectCompute, OpenCL™

PNY Technologies Europe
Zac du Phare, 9 Rue Joseph Cugnot BP 40181
33708 Mérignac Cedex | France
T +33 (0)5 56 13 75 75 | F +33 (0)5 56 13 75 77