PCI Express Graphic Cards based on NVIDIA Turing™ Architecture

PCI Express Graphic Cards with NVIDIA GPUs



- Quadro PEG T1000



- Quadro PEG RTX4000



- Quadro PEG RTX5000

NVIDIA QUADRO CERTIFIED
• EMBEDDED

Features

- NVIDIA embedded graphics based on Turing™ architecture
- Up to 4x DisplayPort 1.4
- DisplayPort with audio
- HDCP 2.2 support
- NVIDIA Mosaic

Ordering Information

Quadro PEG T1000-ATX	NVIDIA® Quadro™ T1000, PCIe x16 GEN3, 4x mini DP 1.4a, TGP 50W, 2.713" H x 6.13" L, single slot , ATX bracket
Quadro PEG T1000-L	NVIDIA® Quadro™ T1000, PCIe x16 GEN3, 4x mini DP 1.4a, TGP 50W, 2.713" H x 6.13" L, single slot , Low profile bracket
Quadro PEG RTX4000	(Bundle sale*) NVIDIA® Quadro® RTX4000, PCIe x16 Gen3, 3x DP 1.4, 1x Type C, 4.4" H x 9.5" L, single slot
Quadro PEG RTX5000	(Bundle sale*) NVIDIA® Quadro® RTX5000, PCIe x16 Gen3, 4x DP 1.4, 1x Type C, 4.4" H x 10.5" L, dual slot, full height

* The product is sold with ADLINK platforms. Recommended models are DLAP-4000, DLAP-8000, AmITX-SL, IMB-M43H, IMB-M43-C236, IMB-M43, and NuPRO-E43 paired with EBP-13E2.

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Specifications







Model Name	Quadro PEG T1000	Quadro PEG RTX4000	Quadro PEG RTX5000
Graphic Core			
Graphic Architecture	NVIDIA® Turing™ TU117	NVIDIA® Turing™ TU106	NVIDIA® Turing™ TU104
GPU	Quadro® T1000	Quadro® RTX4000	Quadro® RTX5000
Memory	4GB / 8GB GDDR6 memory, 128-bit, Bandwidth: Up to 160 GB/s	8GB GDDR6 memory, 256-bit, Bandwidth: Up to 416 GB/s	16GB GDDR6 memory, 256-bit, Bandwidth: Up to 448 GB/s
ECC	N/A		Yes
GPGPU Computing			
CUDA Cores	896 CUDA® cores, 2.5 TFLOPS SP Peak	2304 CUDA® cores, 7.1 TFLOPS SP Peak	3072 CUDA® cores, 11.2 TFLOPS SP Peak
Tensor Cores	-	288 57 TFLOPS	384 89.2 TFLOPS
RT Cores	-	36	48
Compute API	CUDA Toolkit 8.0, CUDA Compute version 6.1, OpenCL™ 1.2		
Graphics API	Shader Model 5.1, OpenGL 4.6, DirectX 12.0, Vulkan 1.2		
Display			
Display Outputs	4 x mDP 1.4 with latching mechanism 4x 3840 x 2160 @ 120Hz 4x 5120 x 2880 @ 60Hz 2x 7680 x 4320 @ 60Hz	3x DisplayPort 1.4 digital video outputs (DP++) 1x USB-C 4x 3840x2160 @ 120 Hz 4x 5120x2880 @ 60 Hz 2x 7680x4320 @ 60 Hz	4x DisplayPort 1.4 digital video outputs (DP++) 1x USB-C 4x 4096x2160 @ 120 Hz 4x 5120x2880 @ 60 Hz 2x 7680x4320 @ 60 Hz
Interface	PCI Express 3.0 x16		
Mechanicals			
Dimensions (mm)	2.7" H x 6.1" L, single slot	4.4" H x 9.5" L, single slot	4.4" H x 10.5" L, dual slot
Form Factor	Half height	Full height, full length	
Environmental			
Operating Temperature	0˚C to 55˚C		0˚C to 45˚C
Storage Temperature	-40˚C to 75˚C		
Power Consumption	50W	160W	265W
SW Support			
OS Support	Windows 10 & Linux drivers, 64-bit		

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