

NVIDIA Quadro P2000 5GB

Pascal

PCIe

2017

16nm

OVERVIEW

3.0 FP32 TFLOPS	5 GB Memory GDDR5	140 GB/s Memory Bandwidth	75 W TDP
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PERFORMANCE METRICS

Precision	Peak (dense)	Bits	Type
FP64	—	—	Standard
FP32	3.0	32	Standard
TF32	—	—	Standard
BF16	—	—	Standard
FP16	—	—	Standard
FP8	—	—	Standard
FP6	—	—	Standard
FP4	—	—	Standard
INT8	—	—	Standard

MEMORY SPECIFICATIONS

Capacity	5 GB
Type	GDDR5
Bandwidth	140 GB/s
Interface Width	160-bit

POWER & EFFICIENCY

TDP	75 W
Max power	75 W
FP32 dense TFLOPS per W of TDP	0.04 TFLOPS/W
FP16 dense TFLOPS per W of TDP	—

Per W of TDP figures divide dense peak by accelerator TDP.
Board power only: excludes host CPUs, networking, cooling and facility overhead.

HARDWARE DETAILS

Vendor: NVIDIA	Architecture: Pascal	Process Node: 16nm
Form Factor: PCIe	Launch Year: 2017	Variant: 5GB

COMPUTE ENGINE

CUDA Cores: 1,024	SMs: 8
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INTERCONNECT

PCIe: 3.0 x16

ENTERPRISE FEATURES

Sparsity: No