



NVIDIA GeForce RTX 2060 6GB

Turing PCIe 2019 12nm

OVERVIEW

6.5 FP32 TFLOPS	6 GB VRAM GDDR6	336 GB/s Memory Bandwidth	160 W TDP
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PERFORMANCE METRICS

Precision	Peak (dense)	Bits	Type
FP64	0.2	64	Standard
FP32	6.5	32	Standard
TF32	—	—	Standard
BF16	—	—	Standard
FP16	25.8	16	Standard
FP8	—	—	Standard
FP6	—	—	Standard
FP4	—	—	Standard
INT8	103.2	8	Standard
INT4	206.4	4	Standard

MEMORY SPECIFICATIONS

Capacity	6 GB
Type	GDDR6
Bandwidth	336 GB/s
Interface Width	192-bit

POWER & EFFICIENCY

TDP	160 W
Max Power	160 W
FP32 Efficiency	0.04 TFLOPS/W
FP16 Efficiency	0.16 TFLOPS/W

HARDWARE DETAILS

Vendor: NVIDIA	Architecture: Turing	Process Node: 12nm
Form Factor: PCIe	Launch Year: 2019	Variant: 6GB

COMPUTE ENGINE

CUDA Cores: 1,920	Tensor Cores: 240 (Turing)	SMs: 30
Base Clock: 1.36 GHz	Boost Clock: 1.68 GHz	

INTERCONNECT

PCIe: 3.0 x16

CHIP DESIGN

Transistors: 10.8 billion Die Size: 445 mm²

ENTERPRISE FEATURES

ECC: No Sparsity: No