



NVIDIA GeForce RTX 3060 Ti 8GB

Ampere PCIe 2020 8nm

OVERVIEW

16.2 FP32 TFLOPS	8 GB VRAM GDDR6	— Memory Bandwidth	200 W TDP
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PERFORMANCE METRICS

Precision	Peak (dense)	2:4 Sparse	Bits	Type
FP64	0.3	N/A	64	Standard
FP32	16.2	N/A	32	Standard
TF32	16.2	32.4	32	Standard
BF16	32.4	64.8	16	Standard
FP16	32.4	64.8	16	Standard
FP8	—	not published	—	Standard
FP6	—	not published	—	Standard
FP4	—	not published	—	Standard
INT8	129.6	259.1	8	Standard
INT4	259.1	518.3	4	Standard

MEMORY SPECIFICATIONS

Capacity	8 GB
Type	GDDR6
Bandwidth	—
Interface Width	256-bit

POWER & EFFICIENCY

TDP	200 W
Max Power	200 W
FP32 Efficiency	0.08 TFLOPS/W
FP16 Efficiency	0.16 TFLOPS/W

HARDWARE DETAILS

Vendor: NVIDIA	Architecture: Ampere	Process Node: 8nm
Form Factor: PCIe	Launch Year: 2020	Variant: 8GB

COMPUTE ENGINE

CUDA Cores: 4,864	Tensor Cores: 152 (3rd Gen)	SMs: 38
Base Clock: 1.41 GHz	Boost Clock: 1.67 GHz	

INTERCONNECT

PCIe: 4.0 x16

CHIP DESIGN

Transistors: 17.4 billion Die Size: 393 mm²

ENTERPRISE FEATURES

ECC: No Sparsity: Yes