

NVIDIA GeForce GTX 1080 Ti 11GB

Pascal

PCIe

2017

16nm

OVERVIEW

11.3 FP32 TFLOPS	11 GB VRAM GDDR5X	484 GB/s Memory Bandwidth	250 W TDP
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PERFORMANCE METRICS

Precision	Peak (dense)	Bits	Type
FP64	—	—	Standard
FP32	11.3	32	Standard
TF32	—	—	Standard
BF16	—	—	Standard
FP16	—	—	Standard
FP8	—	—	Standard
FP6	—	—	Standard
FP4	—	—	Standard
INT8	—	—	Standard

MEMORY SPECIFICATIONS

Capacity	11 GB
Type	GDDR5X
Bandwidth	484 GB/s
Interface Width	352-bit

POWER & EFFICIENCY

TDP	250 W
Max Power	250 W
FP32 Efficiency	0.05 TFLOPS/W
FP16 Efficiency	—

HARDWARE DETAILS

Vendor: NVIDIA	Architecture: Pascal	Process Node: 16nm
Form Factor: PCIe	Launch Year: 2017	Variant: 11GB

COMPUTE ENGINE

CUDA Cores: 3,584	SMs: 28	Base Clock: 1.48 GHz
Boost Clock: 1.58 GHz		

INTERCONNECT

PCIe: 3.0 x16

CHIP DESIGN

Transistors: 12.0 billion	Die Size: 471 mm ²
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ENTERPRISE FEATURES

ECC: No	Sparsity: No
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