



AMD Radeon RX 6700 XT 12GB

RDNA 2

PCIe

2021

7nm

OVERVIEW

13.2 FP32 TFLOPS	12 GB VRAM GDDR6	384 GB/s Memory Bandwidth	230 W TDP
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PERFORMANCE METRICS

Precision	Peak (dense)	Bits	Type
FP64	—	—	Standard
FP32	13.2	32	Standard
TF32	—	—	Standard
BF16	—	—	Standard
FP16	26.4	16	Standard
FP8	—	—	Standard
FP6	—	—	Standard
FP4	—	—	Standard
INT8	—	—	Standard

MEMORY SPECIFICATIONS

Capacity	12 GB
Type	GDDR6
Bandwidth	384 GB/s
Interface Width	192-bit

POWER & EFFICIENCY

TDP	230 W
Est. Max Power	265 W
FP32 Efficiency	0.06 TFLOPS/W
FP16 Efficiency	0.11 TFLOPS/W

HARDWARE DETAILS

Vendor: AMD	Architecture: RDNA 2	Process Node: 7nm
Form Factor: PCIe	Launch Year: 2021	Variant: 12GB

COMPUTE ENGINE

Stream Processors: 2,560	CUs: 40	Base Clock: 2.32 GHz
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CHIP DESIGN

Transistors: 17.2 billion	Chiplets: 1 (Monolithic)
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ENTERPRISE FEATURES

Sparsity: No
