



AMD Radeon RX 6950 XT 16GB

RDNA 2

PCIe

2022

7nm

OVERVIEW

23.6 FP32 TFLOPS	16 GB VRAM GDDR6	576 GB/s Memory Bandwidth	335 W TDP
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PERFORMANCE METRICS

Precision	Peak (dense)	Bits	Type
FP64	—	—	Standard
FP32	23.6	32	Standard
TF32	—	—	Standard
BF16	—	—	Standard
FP16	47.3	16	Standard
FP8	—	—	Standard
FP6	—	—	Standard
FP4	—	—	Standard
INT8	—	—	Standard

MEMORY SPECIFICATIONS

Capacity	16 GB
Type	GDDR6
Bandwidth	576 GB/s
Interface Width	256-bit

POWER & EFFICIENCY

TDP	335 W
Est. Max Power	385 W
FP32 Efficiency	0.07 TFLOPS/W
FP16 Efficiency	0.14 TFLOPS/W

HARDWARE DETAILS

Vendor: AMD	Architecture: RDNA 2	Process Node: 7nm
Form Factor: PCIe	Launch Year: 2022	Variant: 16GB

COMPUTE ENGINE

Stream Processors: 5,120	CUs: 80	Base Clock: 1.89 GHz
Boost Clock: 2.31 GHz		

CHIP DESIGN

Transistors: 26.8 billion	Chiplets: 1 (Monolithic)
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ENTERPRISE FEATURES

Sparsity: No
