



AMD Radeon RX 6650 XT 8GB

RDNA 2 PCIe 2022 7nm

OVERVIEW

10.8 FP32 TFLOPS	8 GB VRAM GDDR6	280 GB/s Memory Bandwidth	180 W TDP
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PERFORMANCE METRICS

Precision	Peak (dense)	Bits	Type
FP64	—	—	Standard
FP32	10.8	32	Standard
TF32	—	—	Standard
BF16	—	—	Standard
FP16	21.6	16	Standard
FP8	—	—	Standard
FP6	—	—	Standard
FP4	—	—	Standard
INT8	—	—	Standard

MEMORY SPECIFICATIONS

Capacity	8 GB
Type	GDDR6
Bandwidth	280 GB/s
Interface Width	128-bit

POWER & EFFICIENCY

TDP	180 W
Est. Max Power	207 W
FP32 Efficiency	0.06 TFLOPS/W
FP16 Efficiency	0.12 TFLOPS/W

HARDWARE DETAILS

Vendor: AMD	Architecture: RDNA 2	Process Node: 7nm
Form Factor: PCIe	Launch Year: 2022	Variant: 8GB

COMPUTE ENGINE

Stream Processors: 2,048	CUs: 32	Base Clock: 2.06 GHz
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CHIP DESIGN

Transistors: 11.1 billion	Chiplets: 1 (Monolithic)
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ENTERPRISE FEATURES

Sparsity: No
