



AMD Radeon PRO W6800 32GB

RDNA 2

PCIe

2021

7nm

OVERVIEW

17.8 FP32 TFLOPS	32 GB VRAM GDDR6	512 GB/s Memory Bandwidth	250 W TDP
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PERFORMANCE METRICS

Precision	Peak (dense)	Bits	Type
FP64	1.1	64	Standard
FP32	17.8	32	Standard
TF32	—	—	Standard
BF16	—	—	Standard
FP16	35.7	16	Standard
FP8	—	—	Standard
FP6	—	—	Standard
FP4	—	—	Standard
INT8	—	—	Standard

MEMORY SPECIFICATIONS

Capacity	32 GB
Type	GDDR6
Bandwidth	512 GB/s
Interface Width	256-bit

POWER & EFFICIENCY

TDP	250 W
Est. Max Power	288 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: 2021	Variant: 32GB

COMPUTE ENGINE

Stream Processors: 3,840	CUs: 60
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INTERCONNECT

PCIe: 4.0 x16

CHIP DESIGN

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

ECC: Yes	Sparsity: No
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