



AMD Radeon PRO W7800 48GB

RDNA 3 PCIe 2024 5nm

OVERVIEW

45.2 FP32 TFLOPS	48 GB VRAM GDDR6	864 GB/s Memory Bandwidth	260 W TDP
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PERFORMANCE METRICS

Precision	Peak (dense)	Bits	Type
FP64	—	—	Standard
FP32	45.2	32	Standard
TF32	—	—	Standard
BF16	—	—	Standard
FP16	90.4	16	Standard
FP8	—	—	Standard
FP6	—	—	Standard
FP4	—	—	Standard
INT8	90.4	8	Standard
INT4	181.0	4	Standard

MEMORY SPECIFICATIONS

Capacity	48 GB	TDP	260 W
Type	GDDR6	Max Power	260 W
Bandwidth	864 GB/s	FP32 Efficiency	0.17 TFLOPS/W
Interface Width	384-bit	FP16 Efficiency	0.35 TFLOPS/W

POWER & EFFICIENCY

HARDWARE DETAILS

Vendor: AMD	Architecture: RDNA 3	Process Node: 5nm
Form Factor: PCIe	Launch Year: 2024	Variant: 48GB

COMPUTE ENGINE

Stream Processors: 4,480	Tensor Cores: 140 (RDNA 3)	CUs: 70
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INTERCONNECT

PCIe: Gen 4 x16

Sparsity: No