



AMD Radeon PRO W7900 48GB

RDNA 3

PCIe

2023

5nm

OVERVIEW

61.3 FP32 TFLOPS	48 GB VRAM GDDR6	864 GB/s Memory Bandwidth	295 W TDP
--	--	---	---------------------------------

PERFORMANCE METRICS

Precision	Peak (dense)	Bits	Type
FP64	—	—	Standard
FP32	61.3	32	Standard
TF32	—	—	Standard
BF16	—	—	Standard
FP16	123.0	16	Standard
FP8	—	—	Standard
FP6	—	—	Standard
FP4	—	—	Standard
INT8	123.0	8	Standard
INT4	245.0	4	Standard

MEMORY SPECIFICATIONS

Capacity	48 GB
Type	GDDR6
Bandwidth	864 GB/s
Interface Width	384-bit

POWER & EFFICIENCY

TDP	295 W
Max Power	295 W
FP32 Efficiency	0.21 TFLOPS/W
FP16 Efficiency	0.42 TFLOPS/W

HARDWARE DETAILS

Vendor: AMD	Architecture: RDNA 3	Process Node: 5nm
Form Factor: PCIe	Launch Year: 2023	Variant: 48GB

COMPUTE ENGINE

Stream Processors: 6,144	Tensor Cores: 192 (RDNA 3)	CUs: 96
--------------------------	----------------------------	---------

INTERCONNECT

PCIe: Gen 4 x16

Sparsity: No