



SAPPHIRE AMD Radeon™

AI PRO & PRO Series Compute Performance (TFLOPS / TOPS)

SAPPHIRE



Product Name	SAPPHIRE AMD RADEON™ AI PRO R9700	SAPPHIRE AMD RADEON™ AI PRO R9700S	SAPPHIRE AMD RADEON™ AI PRO R9600D	SAPPHIRE AMD RADEON™ PRO W7800
Compute Precision				
Full Precision (FP32 Vector)	47.8 TFLOPS	47.8 TFLOPS	24.8 TFLOPS	45.2 TFLOPS
Half Precision (FP16 Vector)	47.8 TFLOPS	47.8 TFLOPS	24.8 TFLOPS	45.2 TFLOPS
Half Precision (FP16 Matrix) Dense	191 TFLOPS	191 TFLOPS	99.3 TFLOPS	90.4 TFLOPS
Half Precision (FP16 Matrix) Sparse	383 TFLOPS	383 TFLOPS	199 TFLOPS	—
FP8 Matrix Dense	383 TFLOPS	383 TFLOPS	199 TFLOPS	—
FP8 Matrix Sparse	766 TFLOPS	766 TFLOPS	397 TFLOPS	—
INT8 Matrix Dense	383 TOPS	383 TOPS	199 TOPS	90.4 TOPS
INT8 Matrix Sparse	766 TOPS	766 TOPS	397 TOPS	—
INT4 Matrix Dense	766 TOPS	766 TOPS	397 TOPS	181 TOPS
INT4 Matrix Sparse	1,531 TOPS	1,531 TOPS	794 TOPS	—



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