



# AMD Radeon RX 9070 XT 16GB vs AMD Radeon AI PRO R9700 32GB

Side by side datacenter GPU specifications from the Flopper.io database.

## OVERVIEW

|                  | AMD Radeon RX 9070 XT 16GB | AMD Radeon AI PRO R9700 32GB |
|------------------|----------------------------|------------------------------|
| FP32 TFLOPS      | 48.7                       | 47.8                         |
| VRAM             | 16 GB                      | 32 GB                        |
| Memory Bandwidth | 640 GB/s                   | 640 GB/s                     |
| TDP              | 304 W                      | 300 W                        |

## PERFORMANCE BY PRECISION

| Precision | AMD Radeon RX 9070 XT 16GB peak TFLOPS (dense) | AMD Radeon AI PRO R9700 32GB peak TFLOPS (dense) |
|-----------|------------------------------------------------|--------------------------------------------------|
| FP64      | —                                              | —                                                |
| FP32      | 48.7                                           | 47.8                                             |
| TF32      | —                                              | —                                                |
| BF16      | —                                              | —                                                |
| FP16      | 195.0                                          | 191.0                                            |
| FP8       | 389.0                                          | 383.0                                            |
| FP6       | —                                              | —                                                |
| FP4       | —                                              | —                                                |
| INT8      | 389.0                                          | 383.0                                            |
| INT4      | 779.0                                          | 766.0                                            |

## SPECIFICATIONS

|              | AMD Radeon RX 9070 XT 16GB | AMD Radeon AI PRO R9700 32GB |
|--------------|----------------------------|------------------------------|
| Architecture | RDNA 4                     | RDNA 4                       |
| Process Node | —                          | —                            |
| Launch Year  | 2025                       | 2025                         |
| Form Factor  | PCIe                       | PCIe                         |

|                 | AMD Radeon RX 9070 XT 16GB | AMD Radeon AI PRO R9700 32GB |
|-----------------|----------------------------|------------------------------|
| Memory Type     | GDDR6                      | GDDR6                        |
| Interface Width | 256-bit                    | 256-bit                      |
| Interconnect    | —                          | —                            |
| TDP             | 304 W                      | 300 W                        |
| FP32 Efficiency | 0.16 TFLOPS/W              | 0.16 TFLOPS/W                |