

# AMD Radeon PRO W7500 8GB vs AMD Ryzen AI Max 385 Radeon 8050S (Strix Halo)

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

## OVERVIEW

|                  | AMD Radeon PRO W7500 8GB | AMD Ryzen AI Max 385 Radeon 8050S (Strix Halo) |
|------------------|--------------------------|------------------------------------------------|
| FP32 TFLOPS      | 12.2                     | 22.9                                           |
| Memory           | 8 GB                     | 128 GB                                         |
| Memory Bandwidth | 256 GB/s                 | 256 GB/s                                       |
| TDP              | 70 W                     | 55 W                                           |

## PERFORMANCE BY PRECISION

| Precision | AMD Radeon PRO W7500 8GB peak TFLOPS (dense) | AMD Ryzen AI Max 385 Radeon 8050S (Strix Halo) peak TFLOPS (dense) |
|-----------|----------------------------------------------|--------------------------------------------------------------------|
| FP64      | —                                            | —                                                                  |
| FP32      | 12.2                                         | 22.9                                                               |
| TF32      | —                                            | —                                                                  |
| BF16      | —                                            | —                                                                  |
| FP16      | 24.4                                         | —                                                                  |
| FP8       | —                                            | —                                                                  |
| FP6       | —                                            | —                                                                  |
| FP4       | —                                            | —                                                                  |
| INT8      | 24.4                                         | —                                                                  |
| INT4      | 49.0                                         | —                                                                  |

## SPECIFICATIONS

|              | AMD Radeon PRO W7500 8GB | AMD Ryzen AI Max 385 Radeon 8050S (Strix Halo) |
|--------------|--------------------------|------------------------------------------------|
| Architecture | RDNA 3                   | RDNA 3.5                                       |
| Process Node | 6nm                      | 4nm                                            |
| Launch Year  | 2023                     | 2025                                           |
| Form Factor  | PCIe                     | SoC                                            |
| Memory Type  | GDDR6                    | LPDDR5X                                        |

|                 | AMD Radeon PRO W7500 8GB | AMD Ryzen AI Max 385 Radeon 8050S (Strix Halo) |
|-----------------|--------------------------|------------------------------------------------|
| Interface Width | 128-bit                  | 256-bit                                        |
| Interconnect    | —                        | —                                              |
| TDP             | 70 W                     | 55 W                                           |
| FP32 Efficiency | 0.17 TFLOPS/W            | 0.42 TFLOPS/W                                  |