



# AMD Radeon PRO W6800 32GB vs AMD Ryzen AI Max+ 395 Radeon 8060S (Strix Halo)

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

## OVERVIEW

|                  | AMD Radeon PRO W6800 32GB | AMD Ryzen AI Max+ 395 Radeon 8060S (Strix Halo) |
|------------------|---------------------------|-------------------------------------------------|
| FP32 TFLOPS      | 17.8                      | 29.7                                            |
| Memory           | 32 GB                     | 128 GB                                          |
| Memory Bandwidth | 512 GB/s                  | 256 GB/s                                        |
| TDP              | 250 W                     | 55 W                                            |

## PERFORMANCE BY PRECISION

| Precision | AMD Radeon PRO W6800 32GB peak TFLOPS (dense) | AMD Ryzen AI Max+ 395 Radeon 8060S (Strix Halo) peak TFLOPS (dense) |
|-----------|-----------------------------------------------|---------------------------------------------------------------------|
| FP64      | 1.1                                           | —                                                                   |
| FP32      | 17.8                                          | 29.7                                                                |
| TF32      | —                                             | —                                                                   |
| BF16      | —                                             | —                                                                   |
| FP16      | 35.7                                          | —                                                                   |
| FP8       | —                                             | —                                                                   |
| FP6       | —                                             | —                                                                   |
| FP4       | —                                             | —                                                                   |
| INT8      | —                                             | —                                                                   |

## SPECIFICATIONS

|              | AMD Radeon PRO W6800 32GB | AMD Ryzen AI Max+ 395 Radeon 8060S (Strix Halo) |
|--------------|---------------------------|-------------------------------------------------|
| Architecture | RDNA 2                    | RDNA 3.5                                        |
| Process Node | 7nm                       | 4nm                                             |
| Launch Year  | 2021                      | 2025                                            |
| Form Factor  | PCIe                      | SoC                                             |
| Memory Type  | GDDR6                     | LPDDR5X                                         |

|                 | AMD Radeon PRO W6800 32GB | AMD Ryzen AI Max+ 395 Radeon 8060S (Strix Halo) |
|-----------------|---------------------------|-------------------------------------------------|
| Interface Width | 256-bit                   | 256-bit                                         |
| Interconnect    | —                         | —                                               |
| TDP             | 250 W                     | 55 W                                            |
| FP32 Efficiency | 0.07 TFLOPS/W             | 0.54 TFLOPS/W                                   |