

# AMD Radeon PRO W6800 32GB vs AMD Radeon RX 6750 XT 12GB

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

## OVERVIEW

|                  | AMD Radeon PRO W6800 32GB | AMD Radeon RX 6750 XT 12GB |
|------------------|---------------------------|----------------------------|
| FP32 TFLOPS      | 17.8                      | 13.3                       |
| VRAM             | 32 GB                     | 12 GB                      |
| Memory Bandwidth | 512 GB/s                  | 432 GB/s                   |
| TDP              | 250 W                     | 250 W                      |

## PERFORMANCE BY PRECISION

| Precision | AMD Radeon PRO W6800 32GB peak TFLOPS (dense) | AMD Radeon RX 6750 XT 12GB peak TFLOPS (dense) |
|-----------|-----------------------------------------------|------------------------------------------------|
| FP64      | 1.1                                           | —                                              |
| FP32      | 17.8                                          | 13.3                                           |
| TF32      | —                                             | —                                              |
| BF16      | —                                             | —                                              |
| FP16      | 35.7                                          | 26.6                                           |
| FP8       | —                                             | —                                              |
| FP6       | —                                             | —                                              |
| FP4       | —                                             | —                                              |
| INT8      | —                                             | —                                              |

## SPECIFICATIONS

|                 | AMD Radeon PRO W6800 32GB | AMD Radeon RX 6750 XT 12GB |
|-----------------|---------------------------|----------------------------|
| Architecture    | RDNA 2                    | RDNA 2                     |
| Process Node    | 7nm                       | 7nm                        |
| Launch Year     | 2021                      | 2022                       |
| Form Factor     | PCIe                      | PCIe                       |
| Memory Type     | GDDR6                     | GDDR6                      |
| Interface Width | 256-bit                   | 192-bit                    |

|                 | AMD Radeon PRO W6800 32GB | AMD Radeon RX 6750 XT 12GB |
|-----------------|---------------------------|----------------------------|
| Interconnect    | —                         | —                          |
| TDP             | 250 W                     | 250 W                      |
| FP32 Efficiency | 0.07 TFLOPS/W             | 0.05 TFLOPS/W              |