



# AMD Radeon PRO W7700 16GB

RDNA 3

PCIe

2023

5nm

## OVERVIEW

|                     |                     |                              |              |
|---------------------|---------------------|------------------------------|--------------|
| 28.3<br>FP32 TFLOPS | 16 GB<br>VRAM GDDR6 | 576 GB/s<br>Memory Bandwidth | 190 W<br>TDP |
|---------------------|---------------------|------------------------------|--------------|

## PERFORMANCE METRICS

| Precision | Peak (dense) | Bits | Type     |
|-----------|--------------|------|----------|
| FP64      | —            | —    | Standard |
| FP32      | 28.3         | 32   | Standard |
| TF32      | —            | —    | Standard |
| BF16      | —            | —    | Standard |
| FP16      | 56.6         | 16   | Standard |
| FP8       | —            | —    | Standard |
| FP6       | —            | —    | Standard |
| FP4       | —            | —    | Standard |
| INT8      | 56.6         | 8    | Standard |
| INT4      | 113.0        | 4    | Standard |

## MEMORY SPECIFICATIONS

|                 |          |
|-----------------|----------|
| Capacity        | 16 GB    |
| Type            | GDDR6    |
| Bandwidth       | 576 GB/s |
| Interface Width | 256-bit  |

## POWER & EFFICIENCY

|                 |               |
|-----------------|---------------|
| TDP             | 190 W         |
| Max Power       | 190 W         |
| FP32 Efficiency | 0.15 TFLOPS/W |
| FP16 Efficiency | 0.30 TFLOPS/W |

## HARDWARE DETAILS

|                   |                      |                   |
|-------------------|----------------------|-------------------|
| Vendor: AMD       | Architecture: RDNA 3 | Process Node: 5nm |
| Form Factor: PCIe | Launch Year: 2023    | Variant: 16GB     |

## COMPUTE ENGINE

|                          |                           |         |
|--------------------------|---------------------------|---------|
| Stream Processors: 3,072 | Tensor Cores: 96 (RDNA 3) | CUs: 48 |
|--------------------------|---------------------------|---------|

## INTERCONNECT

PCIe: Gen 4 x16

Sparsity: No