# NVIDIA GeForce GTX 1660 6GB vs NVIDIA Quadro RTX 5000 16GB

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

## OVERVIEW

| | NVIDIA GeForce GTX 1660 6GB | NVIDIA Quadro RTX 5000 16GB |
|---|---|---|
| FP32 TFLOPS | **5.0** | **11.2** |
| Memory | **6 GB** | **16 GB** |
| Memory Bandwidth | **192 GB/s** | **448 GB/s** |
| TDP | **120 W** | **265 W** |

## PERFORMANCE BY PRECISION

| Precision | NVIDIA GeForce GTX 1660 6GB peak TFLOPS (dense) | NVIDIA Quadro RTX 5000 16GB peak TFLOPS (dense) |
|---|---|---|
| FP64 | 0.2 | 0.3 |
| FP32 | 5.0 | 11.2 |
| TF32 | – | – |
| BF16 | – | – |
| FP16 | 10.1 | 89.2 |
| FP8 | – | – |
| FP6 | – | – |
| FP4 | – | – |
| INT8 | – | 178.4 |
| INT4 | – | 356.8 |

## SPECIFICATIONS

| | NVIDIA GeForce GTX 1660 6GB | NVIDIA Quadro RTX 5000 16GB |
|---|---|---|
| Architecture | Turing | Turing |
| Process Node | 12nm | 12nm |
| Launch Year | 2019 | 2018 |
| Form Factor | PCIe | PCIe |
| Memory Type | GDDR5 | GDDR6 |

| | NVIDIA GeForce GTX 1660 6GB | NVIDIA Quadro RTX 5000 16GB |
|---|---|---|
| Interface Width | 192-bit | 256-bit |
| Interconnect | – | NVLink |
| TDP | 120 W | 265 W |
| FP32 Efficiency | 0.04 TFLOPS/W | 0.04 TFLOPS/W |