



# NVIDIA GeForce RTX 4060 Ti 16GB vs NVIDIA GeForce RTX 4090 24GB

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

## OVERVIEW

|                  | NVIDIA GeForce RTX 4060 Ti 16GB | NVIDIA GeForce RTX 4090 24GB |
|------------------|---------------------------------|------------------------------|
| FP32 TFLOPS      | 22.1                            | 82.6                         |
| VRAM             | 16 GB                           | 24 GB                        |
| Memory Bandwidth | —                               | 1.0 TB/s                     |
| TDP              | 165 W                           | 450 W                        |

## PERFORMANCE BY PRECISION

| Precision | NVIDIA GeForce RTX 4060 Ti 16GB peak TFLOPS (dense) | NVIDIA GeForce RTX 4090 24GB peak TFLOPS (dense) |
|-----------|-----------------------------------------------------|--------------------------------------------------|
| FP64      | 0.3                                                 | 1.3                                              |
| FP32      | 22.1                                                | 82.6                                             |
| TF32      | 22.1                                                | 82.6                                             |
| BF16      | 44.1                                                | 165.2                                            |
| FP16      | 44.1                                                | 165.2                                            |
| FP8       | 88.3                                                | 330.3                                            |
| FP6       | —                                                   | —                                                |
| FP4       | —                                                   | —                                                |
| INT8      | 176.5                                               | 660.6                                            |

## SPECIFICATIONS

|              | NVIDIA GeForce RTX 4060 Ti 16GB | NVIDIA GeForce RTX 4090 24GB |
|--------------|---------------------------------|------------------------------|
| Architecture | Ada Lovelace                    | Ada Lovelace                 |
| Process Node | 4nm                             | 4nm                          |
| Launch Year  | 2023                            | 2022                         |
| Form Factor  | PCIe                            | PCIe                         |
| Memory Type  | GDDR6                           | —                            |

|                 | NVIDIA GeForce RTX 4060 Ti 16GB | NVIDIA GeForce RTX 4090 24GB |
|-----------------|---------------------------------|------------------------------|
| Interface Width | 128-bit                         | —                            |
| Interconnect    | —                               | —                            |
| TDP             | 165 W                           | 450 W                        |
| FP32 Efficiency | 0.13 TFLOPS/W                   | 0.18 TFLOPS/W                |