



# NVIDIA GeForce RTX 2080 Ti 11GB vs NVIDIA GeForce RTX 2080 Super 8GB

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

## OVERVIEW

|                  | NVIDIA GeForce RTX 2080 Ti 11GB | NVIDIA GeForce RTX 2080 Super 8GB |
|------------------|---------------------------------|-----------------------------------|
| FP32 TFLOPS      | 14.2                            | 11.2                              |
| VRAM             | 11 GB                           | 8 GB                              |
| Memory Bandwidth | 616 GB/s                        | 496 GB/s                          |
| TDP              | 260 W                           | 250 W                             |

## PERFORMANCE BY PRECISION

| Precision | NVIDIA GeForce RTX 2080 Ti 11GB peak TFLOPS (dense) | NVIDIA GeForce RTX 2080 Super 8GB peak TFLOPS (dense) |
|-----------|-----------------------------------------------------|-------------------------------------------------------|
| FP64      | 0.4                                                 | 0.3                                                   |
| FP32      | 14.2                                                | 11.2                                                  |
| TF32      | —                                                   | —                                                     |
| BF16      | —                                                   | —                                                     |
| FP16      | 56.9                                                | 44.6                                                  |
| FP8       | —                                                   | —                                                     |
| FP6       | —                                                   | —                                                     |
| FP4       | —                                                   | —                                                     |
| INT8      | 227.7                                               | 178.4                                                 |
| INT4      | 455.4                                               | 356.8                                                 |

## SPECIFICATIONS

|              | NVIDIA GeForce RTX 2080 Ti 11GB | NVIDIA GeForce RTX 2080 Super 8GB |
|--------------|---------------------------------|-----------------------------------|
| Architecture | Turing                          | Turing                            |
| Process Node | 12nm                            | 12nm                              |
| Launch Year  | 2018                            | 2019                              |
| Form Factor  | PCIe                            | PCIe                              |

|                 | NVIDIA GeForce RTX 2080 Ti 11GB | NVIDIA GeForce RTX 2080 Super 8GB |
|-----------------|---------------------------------|-----------------------------------|
| Memory Type     | GDDR6                           | GDDR6                             |
| Interface Width | 352-bit                         | 256-bit                           |
| Interconnect    | NVLink                          | NVLink                            |
| TDP             | 260 W                           | 250 W                             |
| FP32 Efficiency | 0.05 TFLOPS/W                   | 0.04 TFLOPS/W                     |