



# NVIDIA GeForce GTX 1080 Ti 11GB vs NVIDIA Titan Xp 12GB

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

## OVERVIEW

|                  | NVIDIA GeForce GTX 1080 Ti 11GB | NVIDIA Titan Xp 12GB |
|------------------|---------------------------------|----------------------|
| FP32 TFLOPS      | 11.3                            | 12.2                 |
| VRAM             | 11 GB                           | 12 GB                |
| Memory Bandwidth | 484 GB/s                        | 548 GB/s             |
| TDP              | 250 W                           | 250 W                |

## PERFORMANCE BY PRECISION

| Precision | NVIDIA GeForce GTX 1080 Ti 11GB peak TFLOPS (dense) | NVIDIA Titan Xp 12GB peak TFLOPS (dense) |
|-----------|-----------------------------------------------------|------------------------------------------|
| FP64      | —                                                   | —                                        |
| FP32      | 11.3                                                | 12.2                                     |
| TF32      | —                                                   | —                                        |
| BF16      | —                                                   | —                                        |
| FP16      | —                                                   | —                                        |
| FP8       | —                                                   | —                                        |
| FP6       | —                                                   | —                                        |
| FP4       | —                                                   | —                                        |
| INT8      | —                                                   | —                                        |

## SPECIFICATIONS

|                 | NVIDIA GeForce GTX 1080 Ti 11GB | NVIDIA Titan Xp 12GB |
|-----------------|---------------------------------|----------------------|
| Architecture    | Pascal                          | Pascal               |
| Process Node    | 16nm                            | 16nm                 |
| Launch Year     | 2017                            | 2017                 |
| Form Factor     | PCIe                            | PCIe                 |
| Memory Type     | GDDR5X                          | GDDR5X               |
| Interface Width | 352-bit                         | 384-bit              |
| Interconnect    | —                               | —                    |

|                 | NVIDIA GeForce GTX 1080 Ti 11GB | NVIDIA Titan Xp 12GB |
|-----------------|---------------------------------|----------------------|
| TDP             | 250 W                           | 250 W                |
| FP32 Efficiency | 0.05 TFLOPS/W                   | 0.05 TFLOPS/W        |