# Google TPU 8t vs NVIDIA Rubin CPX

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

## OVERVIEW

| | Google TPU 8t | NVIDIA Rubin CPX |
|---|---|---|
| FP32 TFLOPS | – | – |
| Memory | 216 GB | 128 GB |
| Memory Bandwidth | 6.5 TB/s | – |
| TDP | – | – |

## PERFORMANCE BY PRECISION

| Precision | Google TPU 8t peak TFLOPS (dense) | NVIDIA Rubin CPX peak TFLOPS (dense) |
|---|---|---|
| FP64 | – | – |
| FP32 | – | – |
| TF32 | – | – |
| BF16 | – | – |
| FP16 | – | – |
| FP8 | – | – |
| FP6 | – | – |
| FP4 | 12600.0 | – |
| NVFP4 | – | – |
| INT8 | – | – |

## SPECIFICATIONS

| | Google TPU 8t | NVIDIA Rubin CPX |
|---|---|---|
| Architecture | TPU 8 | Rubin |
| Process Node | – | – |
| Launch Year | 2026 | 2026 |
| Form Factor | – | – |
| Memory Type | HBM3e | GDDR7 |
| Interface Width | – | – |

| | Google TPU 8t | NVIDIA Rubin CPX |
|---|---|---|
| Interconnect | – | – |
| TDP | – | – |
| FP32 Efficiency | – | – |