

# Google TPU v7 192GB vs Google TPU v3 32GB

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

## OVERVIEW

|                  | Google TPU v7 192GB | Google TPU v3 32GB |
|------------------|---------------------|--------------------|
| FP32 TFLOPS      | —                   | —                  |
| VRAM             | 192 GB              | 32 GB              |
| Memory Bandwidth | 7.4 TB/s            | 900 GB/s           |
| TDP              | —                   | —                  |

## PERFORMANCE BY PRECISION

| Precision | Google TPU v7 192GB peak TFLOPS (dense) | Google TPU v3 32GB peak TFLOPS (dense) |
|-----------|-----------------------------------------|----------------------------------------|
| FP8       | 4614.0                                  | —                                      |
| BF16      | 2307.0                                  | 123.0                                  |

## SPECIFICATIONS

|                 | Google TPU v7 192GB | Google TPU v3 32GB |
|-----------------|---------------------|--------------------|
| Architecture    | TPU                 | TPU                |
| Process Node    | —                   | —                  |
| Launch Year     | 2025                | 2018               |
| Form Factor     | —                   | —                  |
| Memory Type     | HBM                 | HBM2               |
| Interface Width | —                   | —                  |
| Interconnect    | —                   | —                  |
| TDP             | —                   | —                  |
| FP32 Efficiency | —                   | —                  |