

# Google TPU v5e 16GB vs Google TPU v7 192GB

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

## OVERVIEW

|                  | Google TPU v5e 16GB | Google TPU v7 192GB |
|------------------|---------------------|---------------------|
| FP32 TFLOPS      | —                   | —                   |
| VRAM             | 16 GB               | 192 GB              |
| Memory Bandwidth | 800 GB/s            | 7.4 TB/s            |
| TDP              | —                   | —                   |

## PERFORMANCE BY PRECISION

| Precision | Google TPU v5e 16GB peak TFLOPS (dense) | Google TPU v7 192GB peak TFLOPS (dense) |
|-----------|-----------------------------------------|-----------------------------------------|
| INT8      | 393.0                                   | —                                       |
| FP8       | —                                       | 4614.0                                  |
| BF16      | 197.0                                   | 2307.0                                  |

## SPECIFICATIONS

|                 | Google TPU v5e 16GB | Google TPU v7 192GB |
|-----------------|---------------------|---------------------|
| Architecture    | TPU                 | TPU                 |
| Process Node    | —                   | —                   |
| Launch Year     | 2023                | 2025                |
| Form Factor     | —                   | —                   |
| Memory Type     | HBM                 | HBM                 |
| Interface Width | —                   | —                   |
| Interconnect    | —                   | —                   |
| TDP             | —                   | —                   |
| FP32 Efficiency | —                   | —                   |