# Enflame Yunsui i20 vs NVIDIA V100S PCIe 32GB

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

## OVERVIEW

| | Enflame Yunsui i20 | NVIDIA V100S PCIe 32GB |
|---|---|---|
| FP32 TFLOPS | **32.0** | **16.4** |
| Memory | **16 GB** | **32 GB** |
| Memory Bandwidth | **819 GB/s** | **1.1 TB/s** |
| TDP | **150 W** | **250 W** |

## PERFORMANCE BY PRECISION

| Precision | Enflame Yunsui i20 peak TFLOPS (dense) | NVIDIA V100S PCIe 32GB peak TFLOPS (dense) |
|---|---|---|
| FP64 | – | 8.2 |
| FP32 | 32.0 | 16.4 |
| TF32 | 128.0 | – |
| BF16 | 128.0 | – |
| FP16 | 128.0 | 130.0 |
| FP8 | – | – |
| FP6 | – | – |
| FP4 | – | – |
| INT8 | 256.0 | – |

## SPECIFICATIONS

| | Enflame Yunsui i20 | NVIDIA V100S PCIe 32GB |
|---|---|---|
| Architecture | GCU / DTU 2.5 | Volta |
| Process Node | 12nm | 12nm |
| Launch Year | 2021 | 2020 |
| Form Factor | PCIe | PCIe |
| Memory Type | HBM2E | HBM2 |
| Interface Width | – | – |
| Interconnect | – | – |

| | Enflame Yunsui i20 | NVIDIA V100S PCIe 32GB |
|---|---|---|
| TDP | 150 W | 250 W |
| FP32 Efficiency | 0.21 TFLOPS/W | 0.07 TFLOPS/W |