NVIDIA® RTX™ A5000

SPECIFICATIONS

Product	NVIDIA® RTX™ A5000
Architecture	NVIDIA Ampere Architecture
Process Size	8nm
Transistors	28.3 Billion
Die Size	628.4 mm2
CUDA Cores	8192
Tensor Cores	256
RT Cores	64
Single Precision Performance	27.8 TFLOPS
RT Core Performance	54.2 TFLOPS
Tensor Performance	222.2 TFLOPS
GPU Memory	24 GB GDDR6 with ECC
Memory Interface	384-bit
Memory Bandwidth	768 GB/sec
Display Connectors	4x DisplayPort 1.4a
NVENC | NVDEC	1x | 2x (+ AV1 decode)
System Interface	PCI Express 4.0 x16
Form Factor	4.4" H x 10.5" L Dual Slot
Thermal Solution	Active Fansink
Maximum Power Consumption	230 W
Power Connector	1x 8-pin PCIe
Max Digital Resolution	7680 x 4320 x36 bpp at 60 Hz
vGPU Software Support	NVIDIA Virtual PC (vPC), NVIDIA Virtual Applications (vApps), NVIDIA RTX Virtual Workstation (vWS), NVIDIA Virtual Compute Server (vCS)
NVIDIA 3D Vision and 3D Vision Pro	Support via 3-pin mini DIN
Frame Lock	Compatible with NVIDIA Quadro Sync II
NVLink	2-way low profile (2-slot and 3-slot bridges) connects 2x NVIDIA RTX A5000
NVLink Interconnect	112.5 GB/sec bidirectional