



DS Pro - Data Science Workstation

Data is fundamentally changing the way companies do business, driving demand for data scientists and increasing the complexity in their workflows. Workstations are the crucible where VR and AI models take shape for the next generation applications. Get the performance you need to transform massive amounts of data into insights and create amazing customer experiences with OSS NVIDIA-powered workstations for data science. The DS Pro combines the power of two Quadro® RTX™ GPUs with NVLink™ and accelerated CUDA-X AI data science software to deliver a new breed of fully integrated workstations for data science.

Features

- Up to two NVIDIA® Quadro® RTX™ 6000 or 8000 GPUs
- Intel® Xeon®-W up to 4GHz, 18 Core CPU
- Up to 2TB DDR4-2933MHz server memory
- 2x 3.5", 4x 2.5" SATA3 and M.2 PCIe storage
- Tensorflow, RAPIDS, Docker, Caffe2 and Pytorch software pre-installed



Specifications

Dimensions:	18" Hx 8.75" W x 18" D 45.7 x 22.2 x 45.7 cm
CPUs:	Single Intel® Xeon® Scalable Processors up to 165W TDP and 18 cores, LGA2066 Up to Xeon W-2195, 2.3/4.3GHz, 18-core 24MB Cache
System Memory	Up to 1TB DDR4-2666MHz ECC LRDIMM Up to 512GB DDR4-2933MHz ECC RDIMM
Inference GPUs	Up to 2x NVIDIA® RTX8000 Turing Architecture GPUs with NVLINK HB Bridge <ul style="list-style-type: none">• 84 trillion Ray Tracing RTX-OPS per GPU• 11 Giga Rays/Sec• 72 RT Cores, 576 Tensor Cores, 4,608 CUDA Cores• 48 GB GDDR6 ECC Memory• 4x DP 1.4, 1x VirtualLink Ports or Up to 2x NVIDIA® RTX6000 Turing Architecture GPUs with NVLINK HB Bridge <ul style="list-style-type: none">• 84 trillion Ray Tracing RTX-OPS per GPU• 10 Giga Rays/Sec• 72 RT Cores, 576 Tensor Cores, 4,608 CUDA Cores• 24 GB GDDR6 ECC Memory• 4x DP 1.4, 1x VirtualLink Ports

PCIe Slots:	1 x PCIe 3.0 x16 1 x PCIe 3.0 x8 (in x16) 3 x PCIe 3.0 x8 1 x PCIe 3.0 x4 (in x8) 1x PCIe3.0 x4 M.2 slot for 2280 and 22110 SSDs
Storage Subsystem:	4 x NVMe U.2 SSD up to 6.4TB or SATA 2.5" SSD up to 4TB each drive 2 x SATA 3.5" 7200 RPM up to 10TB each drive 1x M.2 x4 and 2x SATA-DOM internal drive connections Further expansion up to 4PB possible using OSS JBOF expansion systems
Network Controllers:	2x 1Gigabit Ethernet each with an RJ-45 Additional 10, 25, 40 and 100Gb Ethernet or 100Gb Infiniband interfaces available
OS/Software:	Windows 10 Pro 64-bit or Ubuntu 18.04 pre-installed NVIDIA RAPIDS machine learning libraries NVIDIA GPU Cloud (NGC) containerized software stacks for AI including TensorFlow, PyTorch and Caffe2 NVIDIA Docker and Docker Runtime
Input/Output:	1 VGA port, 2 COM ports (1 rear and 1 internal header) 5 USB 3.0 with 2 on rear, 2 on front and 1 Type A internal, 6 USB 2.0 with 2 on rear and 2 internal
Power Supply	System: W Typical with 90-264VAC, 47-63Hz Input <ul style="list-style-type: none"> • 80plus Platinum efficiency with Active PFC, PM Bus and Over Voltage Protection • Max 15A input current at 115VAC and 7.5A at 230VAC
Environment:	Operating: <ul style="list-style-type: none"> • 5°C to 35°C (41°F to 95°F) at 0 to 915m (3,000ft) altitude • 5% to 90% non-condensing relative humidity, max dew point 21°C, max rate of change 5°C/hr Non-Operating: <ul style="list-style-type: none"> • -20°C to 60°C (-40°F to 140°F) • 5% to 90% non-condensing relative humidity, max dew point 27°C, max rate of change 5°C/hr
Agency:	Tested to conform to the following standards: <ul style="list-style-type: none"> • FCC - Verified to comply with Part 15 of the FCC Rules, Class A • Canada ICES-003, issue 4, Class A • UL/IEC 60950-1 • CSA C22.2 No. 60950-1 • IEC 60950-1 (CB Certificate and CB Test Report) • CE Mark (EN55022 Class A, EN60950-1, EN55024, EN61000-3-2, EN61000-3-3) • CISPR 22, Class A • Designed to meet other country agency requirements.
Compliance:	RoHS 10, WEEE