

1U GPU SERVER



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The **Network Allies 1U GPU Server** is housed in aluminum and steel chassis supporting up to (8) 2.5" SATA/SAS Hot Swap Bays. Featuring a redundant 1600w power supply and designed to support the performance and features of dual **Intel® Xeon® 2nd** Generation processors. With expansion capability of (2x) Full length – Double Slot GPUs or up to (5x) Single Slot GPU cards. This is a great solution for your high-performance computing needs.

Features:

- 1U Chassis
- (8) 2.5" SATA/SAS Hot Swap Bays
- Multiple GPU Slots (up to 300W per)
- Dual Xeon Processors
- Redundant 1600-Watt PSU

Suggested Markets:

- ➔ Military
- ➔ High-Performance Computing
- ➔ Digital Security / Surveillance

Network Allies is a global leader in providing application-specific computing solutions. We offer a full range of world-class hardware platforms, both off the shelf and custom built. Our value-add services include design, turnkey manufacturing, logistics, and support which allow our customers to focus on their core competencies and meet product scheduling deadlines.

Specifications

CPU	Dual Socket P (LGA 3647) 2nd Gen Intel® Xeon® Scalable Processors and Intel® Xeon Scalable Processors‡ 3 UPI up to 10.4GT/s Support CPU TDP 70-165W*	
Memory	16 DIMMs; up to 4TB 3DS ECC DDR4-2933MHz+ RDIMM/LRDIMM, Supports Intel® Optane™ DCPMM++	
Onboard Devices	Chipset: Intel® C621 chipset SATA: SATA3 (6Gbps) with RAID 0, 1, 5, 10 IPMI: Intelligent Platform Management v.2.0 Graphics: ASPEED AST2500 BMC NICs – Multiple Ports and Speeds GPU: Nvidia® Tesla® P40/T4/A Series	
Input/Output	SATA: 10x SATA3 (6Gbps) ports 1x IPMI LAN 4x USB 3.0 ports (2 rear, 2 via header) Video - 1x VGA Connector	
Expansion Slots	5x PCI-e 3.0 x16 slots PCI-e 3.0 x8 (in x16) low-profile slot	
Dimensions and Weight	Height: 1.7" Width: 17.2" (19" w/ rackmount ears) Depth: 32" (Front bezel to PS tabs) (33" handles) Package: 24" (H) x 8" (W) x 40" (D) Weight: Base Weight 21.8lbs, Fully Populated w/rails: +/- 35lbs	
Power Supply	1600W Redundant with PMBus Total Output Power: 1000W/1600W Input 100-127Vac / 12.9A Max / 50 - 60Hz 200-240Vac / 9.5A Max / 50 - 60Hz +12V Max: 82A / Min: 0.1A (100-127Vac) Max: 132A / Min: 0.1A (200- 240Vac) Platinum Level Certified 94%+	
Drive Bays	8x 2.5" SATA/SAS Hot-swap drive bays	
System Cooling	8x fans with optimal fan speed control	
RoHS Compliant	Yes	
Environmental Spec.	Operating Temp: 10°C to 45°C (50°F to 95°F) Op Relative Humidity: 8% to 90% (non-condensing) Non-Op Temp: -40°C to 70°C (-40°F to 158°F) Non-Op Relative Humidity: 5% to 95% (non-condense)	