

PowerServe Uniti Blade HPC/AI Servers



PowerServe Uniti Blade

Realize the power of cutting-edge technology HPC, Machine Learning and AI enterprise servers hand crafted for maximum performance.

With 25+ years experience delivering HPC solutions to the world's most demanding organizations, PSSC Labs is referred to as the "Superstars of Supercomputing."

PSSC Labs has delivered tens of thousands of HPC servers to higher education, government agencies, small / medium businesses and large enterprise organizations across 36 countries. PowerServe Uniti Blade HPC / AI Servers help organizations stay on technology's cutting edge leveraging the latest components from Intel® and NVIDIA®. These high performance server platforms can be found in the following industries:

- **Artificial Intelligence – Machine / Deep Learning**
- **Design and Engineering – Aerospace, Automotive, & Autonomous Vehicles**
- **Life Sciences – Genomics, Drug Discovery & Development**
- **Chemistry & Physical Sciences – Astrophysics, Computational Chemistry and Weather Modeling**

Key Features & Benefits.

The right choice for any AI and ML applications:

- Ideal for any HPC environment in the Government, Academic and Commercial marketplace

Watch

See PSSC Labs Servers and Solutions in action:

youtube.com/user/psscclabs

Learn

Visit our Case Studies page to learn how PSSC Labs is helping organizations achieve their technology goals:

psscclabs.com/company/case-studies

Socialize

We enjoy hearing from you. Engage with us on:



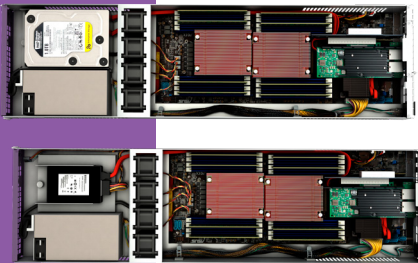
- Select from the latest Intel® Xeon®, AMD EPYC™, and NVIDIA® GPU technology.

Proven features offer unmatched performance with the lowest total cost of ownership.



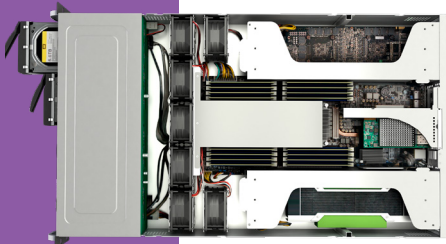
01.
High Density (Half U) Enterprise Platform Built for HPC Applications.

PowerServe Uniti Blade shown



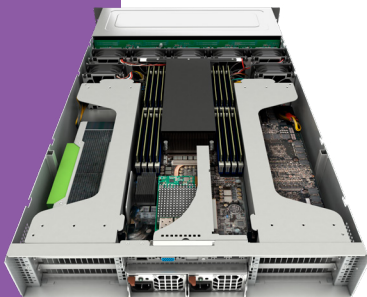
02.
Leading Energy Efficient Server Design with 90%+ Green Power Supply.

PowerServe Uniti Blade shown



03.
Support for the latest Nvidia® GPUs and Intel® Xeon and FPGAs.

PowerServe Uniti G4000 shown



04.
Support for 10GigE, 100GigE, or 200GigE Networking Available with Channel Bonding Support.

PowerServe Uniti G4000 shown

Tech Specs.

Processor Support:

- 2 x Intel® Xeon® or AMD EPYC™ Processors
- Maximum 128 Total Cores/256 Cores with Hyperthreading

Memory Support:

- 16 x DDR4 ECC Memory Dimm Slots
- Up to 2 TB Memory Capacity
- 3200 MHz Support

Disk Storage Controller:

- LSI MegaRaid 12 Gb/sec SATA / SAS
- Expander Backplane
- Supports JBOD, RAID 0,1,5,6,10,50,60

Network Support:

- 2 x 10 Gb/s LAN Ports
- 1 Dedicated Management LAN
- Optional 100 GigE, 200 GigE Ports
- Optional Mellanox® Infiniband® and Intel® Omnipath®

Power Supply:

- Maximum 3000 Watt 1+1 Redundant Power
- 80%+ Platinum Level

Operating System:

- Microsoft Windows Server
- Red Hat Enterprise Linux
- CentOS Linux
- SUSE Linux
- Ubuntu Linux
- VMware Linux

PowerServe Uniti Blade

Disk Storage Capacity:

- Maximum 3 x SSD, NVMe, or 1 SATAIII Storage Devices

GPU Support:

- Up to 4 NVIDIA® A100 Tensor Core GPUs or NVIDIA® Quadro GPU series

Dimensions & Weight:

- 1/2U Rackmount
- 19" W x 28" D x 1.75" H
- Average 26 lbs

PowerServe Uniti G4000

Disk Storage Capacity:

- Maximum 6 x SSD, NVMe, or 1 SATAIII Storage Devices

GPU Support:

- Up to 4 NVIDIA® A100 Tensor Core GPUs or NVIDIA® Quadro GPU series

Dimensions & Weight:

- 2U Rackmount
- 19" W x 29.5" D x 3.5" H
- Average 43 lbs

Tech Specs.

Service Level Agreement:

- Three Year Silver Level SLA Included
- Gold and Platinum SLA Optional
- Years Four and Five Year SLA Optional

Management & Monitoring:

- IPMI 2.0 Web Interface
- Network settings
- Network security settings
- Hardware information
- Users control
- Services settings
- IPMI settings
- Sessions control
- LDAP settings
- Power control
- Fan profiles
- Voltages, fans and temperatures monitoring
- System event log
- Events management
(Platform events, trap settings, email settings)
- Serial Over LAN
- vKVM & vMedia (HTML5)

PowerServe Uniti G10000

Disk Storage Capacity:

- Maximum 10 x SSD, NVMe, or 1 SATAIII Storage Devices

GPU Support:

- Up to 10 NVIDIA® A100 Tensor Core GPUs or NVIDIA® Quadro GPU series

Dimensions & Weight:

- 4U Rackmount
- 19" W x 31" D x 7.0" H
- Average 85 lbs

PowerServe Uniti HGX

Disk Storage Capacity:

- Maximum 8 x SSDs, NVMe Storage Devices

GPU Support:

- Up to 8 NVIDIA® A100 Tensor Core GPUs connected via SMX4

Dimensions & Weight:

- 4U Rackmount
- 19" W x 31" D x 7.0" H
- Average 85 lbs

Included Services

- Operating system installation
- Storage partitioning and configuration (JBOD or RAID)
- Net Connect integration service for easy network boot
- BIOS customization
- Power and cooling consultation prior to delivery
- Mac address recording and reporting
- Node name labeling
- Rack 'n Roll Services Available for Turn-Key Installation

Contact Us

Our Experts in HPC, Big Data and Data Centers are here to help.

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**DESIGNED AND BUILT IN LAKE FOREST,
CALIFORNIA**

