

PowerWulf ZXR1+ HPC Cluster

Performance Computing (HPC) Clusters are application optimized, highly scalable, and delivered production ready. With the increasing adoption of AI and machine-learning platforms, it's never been more important to make sure you have the right hardware solutions partner.

We've deployed more than 2,000 PowerWulf ZXR1+ HPC Clusters to a wide range of government agencies, leading research institutions and Fortune 500 companies across 36 countries. PSSC Labs has been a leader in HPC systems architecture for more than 25 years focusing on delivering custom-configured, game-changing solutions utilizing the latest and greatest technologies.

PROVEN USE CASES

- Artificial Intelligence
- Bioinformatics
- Computational Chemistry
- Design & Engineering
- Range Safety
- Streaming Analytics / Edge Computing
- Signal Processing
- Weather Modeling

KEY FEATURES

- Scale to Tens of Thousands of Compute Cores
- Integrate Advanced FPGA & GPU Technologies for AI & Machine Learning
- Factory Installation of All Necessary Hardware, Software & Networking Components
- Complete Cluster Management Toolkit for Simple Operation, Monitoring & Management
- Proven Compatible with Commercial & Open Source Applications
- Only Enterprise Grade Components for Maximum Reliability & Performance
- Complete Support Hardware & Software Package

INTEGRATED HIGH PERFORMANCE COMPONENTS

- Intel® and AMD® CPUs
- Nvidia® and AMD® GPUs
- Intel Omnipath® and Mellanox® High Speed Network Interconnects
- High Performance Flash & NVME based Parallel Storage
- Out of Band – Remote Management Interface
- All Necessary Rack & Power Infrastructure

