



POWERSERVE SERVERS



High reliability, ultimate performance and complete turn-key solutions. If this is what you expect from your compute servers than our PowerServe series of servers are the perfect choice. Each PowerServe is custom configured to fit your application needs and budget. Using only Tier 1 components, PSSC Labs hand crafts each PowerServe for maximum performance. Backed by PSSC Labs unlimited lifetime support you are guaranteed the best possible computing solution at the best possible price.



FEATURES

TURN KEY SOLUTION

PSSC Labs delivers the most turn key servers available. Our goal is to provide you with a true plug and play system that allows you to focus on your work and not managing your servers. PSSC Labs takes extra steps in the integration, testing and software installation process that ultimately save you time and money.

UNLIMITED LIFETIME SUPPORT

All PowerServe Servers include unlimited lifetime support at NO additional cost. You are welcome to call or email any question you have regarding Workstation hardware and software directly to the PSSC Labs Server Technician responsible for configuring your Server. This ensures that you receive the best possible technical support in an immediate fashion.

PERFORMANCE TUNING

PowerServe Servers are optimized for maximum performance. Our superior experience allows PSSC Labs Technicians to tune performance for maximum results. BIOS settings, network configurations, memory configuration, file system and all other possible areas for performance improvement are carefully reviewed and scrutinized. This ensure that each PowerServe Server provides the highest possible computing power. Before any PowerServe Serverships it must pass our internal performance standards.



POWERSERVE SERVERS CONTINUED



FEATURES

EXPANDABILITY

Easily add more memory, network interconnects, hard drives, etc to your PowerServe Server. With CBeST software tools expanding the size of your Workstation is fast and easy. PSSC Labs Server Technicians will be available to help every step of the way at NO additional cost.

FLEXIBILITY

PSSC Labs offers the most hardware and software choices available. You can customize your PowerServe Server to meet your needs and budget. Chassis, processor, memory and networking options are all available. Select the operating system, open source tools and and file system you need.

STABILITY

PSSC Labs testing procedure is considered one of the most stringent in the industry. Each PowerServe Server undergoes a minimum of seven days continuous testing and retesting. For complete testing detail procedures please see below.

1. Assemble the system, update Bios to latest version, set BIOS to match the rest of the hardware. (approx 1 hour)
2. Run Memtest to find MEM, CPU or MOBO errors. (approx 1-2 days)
3. Run STRESS to find MCE errors, (approx 3 days)
4. Power down, unplug, cool system. (approx 3 hours)
5. Power up, run Memtest. (approx 1 hour)
6. Power down, unplug, cool system (approx 3 hours)
7. Power up, run Memtest. (approx 1 hour)
8. Power down, unplug, cool system. (approx 3 hours)
9. Power up, run Memtest. (approx 1 hour)
10. Power down, unplug, cool system. (approx 3 hours)
11. Install HPC Linpak and run over entire Workstation (approx 3 days)
12. Install OS of customer choice and run benchmark test (approx 3 days)
13. Power down, unplug & ship to end user.

Some companies may take testing shortcuts or not test the Server as a complete solution. Ultimately these shortcuts will cost you a significant amount of time, energy and money. PSSC Labs eliminates all of the headaches through our testing procedure.



POWERSERVE SERVERS CONTINUED



TECHNOLOGY

PERFORMANCE

PSSC Labs hand crafts every PowerServe to achieve the highest possible performance. Tuning of the BIOS, kernel, drivers, etc. all factor into the goal of achieve more computing power for your dollar. Our systems regularly outperform systems from other vendors using the exact same components. This can be attributed to the extra time and care PSSC Labs takes in the integration process.

COMPONENTS

All components are selected to provide maximum performance with as little failure as possible. Working with Tier 1 component manufacturers, PSSC Labs integrates the latest and greatest in computing technology. Each PowerServe component undergoes a thorough testing process that other vendors choose to omit.

POWER

Using the latest in both green and energy efficient components, PSSC Labs systems are designed to offer the most efficient power possible.

COOLING

Each PowerServe includes sufficient chassis fans to chill the hottest processors. Chassis airflow is tested regularly to ensure acceptable processor, memory and motherboard temperatures.