Delivering incredible price/performance and performance/watt for cost-sensitive environments, the PowerEdge SC1435 server is optimized for Web serving, high performance computing clusters (HPCC), and small business single server deployments.

**Reduced Complexity**

Featuring AMD Opteron™ processors, the rack-dense, 1U PowerEdge SC1435 server provides the cost-effective performance and low power consumption that distributed cluster environments need. It is designed to reduce complexity making it easy to deploy in high performance computing clusters (HPCC) and Web farms. The price also makes it perfect for budget-conscious customers like small and medium businesses.

To simplify distributed cluster environments, the PowerEdge SC1435 server incorporates tools for easy management. The latest industry-standard Intelligent Platform Management Interface (IPMI) 2.0 Baseboard Management Controller (BMC) allows remote, out-of-band management over a network or serial connection with any industry-standard IPMI management program. Software updates are also simplified through planned block releases of multiple drivers, BIOS and firmware updates while proactive notification of these updates are available for customers via an online tool called ImageWatch.

The PowerEdge SC1435 server is built specifically for large volume distributed clusters so you don’t pay for features you will never use. Dell’s system management tools give you management functionality tailored to HPCC and distributed Web serving environments. The server does not include hot plug hard drives, fans and power supplies because redundancy is typically achieved at the application level in these types of distributed computing implementations.

**Exceptional Price/Performance/Watt**

The use of the latest AMD Opteron processors means the PowerEdge SC1435 has an exceptional price/performance/watt ratio. AMD’s Direct Connect Architecture directly connects CPUs, memory and I/O to help reduce latency and optimize memory performance. Additionally, AMD PowerNow! with Optimized Power Management and AMD Dual Dynamic Power Management are designed to decrease overall system power consumption without compromising performance by dynamically adjusting individual core frequencies for improved power. And the PowerEdge SC1435 server provides a seamless upgrade to future quad-core processing in the same thermal envelope.

The PowerEdge SC1435 server offers as much as 32GB of low latency power efficient DDR2-667 memory. It also includes the latest high performance I/O and storage technologies. Optional TCP/IP Offload Engine (TOE) NIC adapters help improve processor utilization by offloading TCP/IP traffic from the host processor to an integrated NIC processor. Up to two SATA or SAS drives provide flexible and reliable storage.

**Comprehensive Business Relevant Solutions for HPCC and Web serving**

Built with HPCC and distributed Web serving challenges in mind, the PowerEdge SC1435 helps organizations make the most of their resources in distributed cluster applications. Dell engineers, working closely with our HPCC partners, fully integrate, test and preconfigure HPCC solutions to take the guesswork out of configuring a cluster. These pre-configured bundles provide a validated solution that can be easily deployed. Additionally, Dell Services are focused on simplifying HPCC operations and helping you achieve the full value of your systems.
DELL ENTERPRISE SERVICES

Dell Services can deliver the services you need to realize the full value of your IT investment. Complementing our award-winning products, these IT infrastructure services incorporate operational excellence, accountability and value.

By utilizing our best practices, proven processes and expertise in implementing standards-based technologies, we can help strengthen your IT infrastructure and enable you to adapt evolving technologies. Whether you need support, deployment, asset management, training, custom planning or professional services – individually or bundled as a total solution – you can count on Dell.

Strengthening Your IT Infrastructure

Our planning services help integrate your new enterprise hardware into your existing or evolving IT infrastructure. We can provide guidance whether you’re adding a single or multiple servers, storage area network or high-performance computing cluster.

We can also help you enhance the overall performance of your IT infrastructure and data center by consolidating software and hardware, developing a business continuity plan and migrating to standards-based technologies.

Simplifying Deployment

Dell simplifies implementation with comprehensive services that accelerate deployment of new hardware and IT solutions. During the initial system-build of your server, we can customize software and hardware to match your specific requirements. By helping you rapidly deploy new capabilities while minimizing disruptions, we can contribute to improved efficiencies and lower costs.

Our training services provide education and certification courses to help you better manage and use your new hardware so you can reap the full benefits of standards-based technologies.

Providing Award-Winning Service & Support

Your server and storage infrastructure is central to your business, which is why you need a partner who can help minimize downtime and keep your business-critical systems running efficiently. Our enterprise support services are designed to protect your entire enterprise or to focus on specific systems. These customizable services include hardware and software support with varied response levels, account management and remote resolution.

We can also help you enhance the performance of your data center and provide managed IT solutions and asset management services for your enterprise, desktop and notebook environments.

The Dell Enterprise Command Centers (ECC) – which utilize industry-leading technologies and tools that speed up problem resolution – efficiently route spare parts and direct expert technicians to your site.

Services vary by region. For more information, please visit www.dell.com.

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