Compaq AlphaServer DS10

A Price/Performance Breakthrough That Brings Alpha Power to Virtually Any Business

"(Compaq's) technology is amazing and its level of commitment to the Internet is 100%."

Scott Purcell
President
Epoch

Benefits of *Compaq AlphaServer DS10 System* at a Glance:

→ **New generation Alpha 21264 processor provides performance leadership**

→ **More power in a smaller footprint with 3U rack-and-stack configuration**

→ **Designed with the features Internet businesses demand**

→ **Full warranty, global service and support**

→ **Big System Capacity, Small System Price** — The Compaq™ AlphaServer™ DS10 system does it all, whether you're running Internet applications or any other application that is important to your business. And whether you're an application developer, a research scientist, or a business user, you can now get the advanced features you need without breaking your budget.

→ **Fastest Entry-Level Performance** — Faster matters. When you can double your speed with dead-on accuracy at an entry-level price point, you make a move. Using one 466 MHz Alpha 21264 processor, up to 2 GB of memory, and 1.3 GB/sec memory bandwidth with new cross-bar switching technology, Compaq has the fastest server at the best price. Period.

→ **Internet-Energized** — AlphaServer systems are the preferred platform for carrier-grade service providers in the Internet and Telecommunications industries, and for good reason. The performance and design of these systems ensure quality of service even as subscriber bases grow at phenomenal rates. The AlphaServer DS10 system offers significant advantages with its small footprint, optional front cable access, and dual embedded Ethernet ports.

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Better answers

Why should anyone consider a single-processor solution?

In the good old days, there was plenty of time to plan for growth. There were curves to follow. Benchmarks to consult. If you just stayed on the trail, you'd generally be O.K.

That's all changed. In the new world of 21st century computing, you're going to have to blaze your own trail, especially on the Internet. For example, MindSpring® Enterprises, Inc. — an Atlanta-based ISP — saw its subscriber base jump from 12,000 to more than 600,000 in less than three years. With growth like that, the ink is barely dry on the business plan before you have to re-write it.
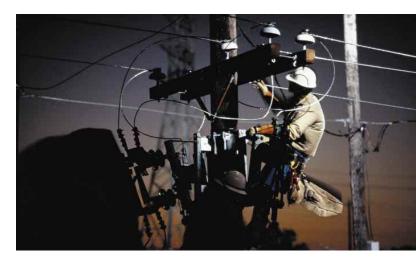
Making it even more difficult, you just can't predict growth like this. You simply have to be ready for it. And that is the beauty of the Compaq AlphaServer DS10. At an extremely attractive price point, you can buy into the most sophisticated server technology on the planet with the new generation Compaq Alpha 21264 processor.

And more importantly, you can scale up fast to meet even the most outrageous growth curves. The AlphaServer DS10 is uniquely designed and ready to deploy on the desktop or in a 3U rack-and-stack configuration. If you want more power, you slide more systems into your open racks. If you are unsure about growth, leave it firing right on the desktop. Only you decide when, how, and where you deploy your technology.

What kind of performance can I expect in business deployment?

One of the design imperatives of AlphaServer DS10 systems was that they be developer-friendly — in performance, power, price point, and the operating systems supported.

Just like the full line of Compaq AlphaServer systems, the AlphaServer DS10 system is the only server you can buy that supports multiple operating systems. You can choose to have your AlphaServer DS10 systems pre-packaged with *Tru64 UNIX* or OpenVMS — or you can buy them with no operating system so you can run Linux. That's true flexibility.

And if it makes sense for you to develop cost-effective solutions on popular, open operating systems like Linux, then the AlphaServer DS10 system is ideal because with its price point and power, it's easy to dedicate one or more servers to your prototyping and development efforts.

It's simple. The AlphaServer DS10 system from Compaq may turn out to be the most important development tool of the new century.

Where do you see AlphaServer DS10 systems making an impact?

In just about any business that needs more power in a smaller footprint. Or any business that believes R&D is important, and wants to dedicate a server to prototyping and development. Or any business that needs to deploy servers at replicated sites. Or any teaching facility that wants its IT and EE students to learn on the best that's out there.

In reality, any business that needs multiple, functional servers that can be dedicated to the back-end or front-end of the shop, clustered for more power and reliability, and deployed and re-deployed with ease while retaining an unlimited scalability ceiling simply cannot go wrong with a Compaq AlphaServer DS10 system. Here's how we can help across a variety of businesses... today.

performance

→ **ISPs/Internet/Extranet** — Start small; grow in no time at all. If you know you'll be getting 2 million hits a day, then you can go out and buy the top of the line right away. But if you need something reliable today that can grow with you in a heartbeat, the AlphaServer DS10 system was built for you. Perfect for a distributed processing style architecture, where one server might be your Web server and another your proxy or mail server, the AlphaServer DS10 delivers the performance and scalability you need at a price you'll find hard to pass up.

→ **Telecom Providers** — Offering more for less is a must. Let's face it. The price wars are on, and you'll survive — and thrive — by offering more and better services at a cheaper price. That's a tall order, and technology will make the difference. If your server handles twice the workload as your competitor's at less than half the cost, would that be to your advantage? And with dual Ethernet ports, a rackmount design that allows easy cable connections, AlphaServer DS10 systems will become your server of choice.

→ **Cable Providers** — Time, and technology, means money. Network advertising purchased by local advertisers means a boon to cable companies. Yet, you must be wired for success, and have the technology in place to catch the signal. The AlphaServer DS10 changes technology from an expense to a revenue-generating asset. Overnight. And because of its high availability and easy remote management capabilities — advances you'd expect to find in more expensive machines — you can lower your cost of operations. You won't need to pay a professional to watch the system at all times, and dial-in reboot means no more middle-of-the-night rushes into the office.

→ **IT Educational Centers/Universities** — It pays to learn to earn on the best. Development experience BEFORE graduation is no longer a luxury — it is often a degree requirement. Enter the AlphaServer DS10 system at a great value, and you've got the next wave of developers learning on the best.

→ **Business Application Development** — It can pay to write your own ticket. The days of mass solutions to individual business problems are over. With an affordable AlphaServer DS10 system, any talented developer can quickly write the customized IT solutions banks, real estate agencies, and other businesses need to do business more efficiently. It's money in the bank. And whatever operating system you prefer to work in, the AlphaServer DS10 system is the best choice to keep your business running.

Can you sum up a few of the benefits for me?

→ *Rock-solid system scalable enough to allow your business to grow unimpeded*

→ *Bet-your-business data availability through advanced clustering technology*

→ *Exceptional systems management with free Compaq server management software*

→ *Lower total cost of ownership, easier to install, more reliable*

→ *Internet-Energized software, included free with Tru64 UNIX or OpenVMS — you are Internet-ready right out-of-the-box*

→ *All AlphaServer systems run Tru64 UNIX, OpenVMS, and Linux*

→ *Our AllConnect™ for UNIX or Affinity™ for OpenVMS programs help you run Microsoft® Windows NT™ right along with your current operating system choice*

price

→ **High Performance Technical Computing** — Where a server makes, or breaks, its reputation. Gene mapping. Crash simulation. Global weather prediction. Whenever super-computer power is needed, multiple AlphaServer DS10 systems can give you a clear advantage. There is no scaling limit so your highly-parallel environment is more productive with Alpha power.

What is it that makes Alpha performance so dominating?

While other 64-bit solutions are in their first generation — or still on the drawing table — Compaq AlphaServer systems have been boosting productivity in businesses around the world for more than six years. Not only have the bugs been worked out, but we've been able to build on our success and push the envelope.

And in addition to raw processor speed, Compaq engineers have pioneered advanced cross-bar switching capabilities that intelligently manage your data flow — keeping your data in continuous motion by allowing your processor to speak directly to memory. This breakthrough cross-bar technology eliminates the contention for system resources that can artificially limit performance.

The end result? A faster CPU SPECfp95® result than any processor the competition has to offer! Once again, Compaq is redefining what you can expect from an entry-level server — while reaching a price point others must de-construct their systems to reach.

And an AlphaServer DS10 system can run industry-standard applications?

Run. And run away with them. And with more than 12,000 popular and proven Alpha applications on the market, you'll have whatever you need to boost productivity, and shorten your time-to-solution.

When you choose a Compaq AlphaServer DS10 system, you can expect price/performance leadership, whether you're deploying leadership applications. Or you require leading database tools. Or you want more speed and power to boost the performance of what you've got. Wherever you need to go, we can offer you a clear path to success.

What kind of warranty are we talking about?

The Compaq AlphaServer DS10 system comes standard with a 3-year hardware warranty. If your system should need service during the full 3 years after purchase, you can count on Compaq to be there with one of the most highly-acclaimed worldwide services organizations in the industry.

So what's my next step?

Whether you want more information, or you want to order your Compaq AlphaServer DS10 systems right away, you can:

→ *Visit our AlphaServer Web Site at www.compaq.com/alphaserver*
→ *Call us at 1-800-344-4825 via touch-tone phone in the U.S. or Canada*
→ *Call 1-978-506-3777 from other countries*
→ *Call your local reseller/Compaq representative*

Customer Successes

"The AlphaServer... superior in both price and performance."

Dr. Chinmoy Pal
Research Engineer
Nissan Motor Corporation

Bringing massive compute power to the masses

Once again, Compaq is leading the way with a price/performance breakthrough that changes what you can — and should — expect from technology.

Introducing the Compaq AlphaServer DS10 system — a server that has become so hot, customers usually ask us just two questions: "How many can I order?" and "How fast can you deliver them?"

What makes the AlphaServer DS10 system so attractive? For starters, it is the only single processor system that has been built from the ground up for your specialized needs. While others strip down their systems to meet the price point you demand, Compaq's solution breaks new ground.

Today, right now, we're delivering leadership 64-bit AlphaServer performance in a package that's as simple and affordable as a PC. And we didn't start this yesterday. For more than six years, we've had a hands-down performance advantage.

Moreover, we've been refining and developing the solutions you need by partnering with best-of-breed software developers so that today, you have more than 12,000 tried and true 64-bit applications to choose from that can boost productivity in every aspect of your business.

Your system is ready to run on the desktop, or in a 3U rack-and-stack configuration. There are no up-front cabinet decisions to make, or rackmount spare parts to buy. You decide where and how you want to deploy. Bottom line.

So as you consider bringing the complete 64-bit power of Alpha to bear in your solution, you would do well to consider a Compaq AlphaServer DS10 system. And by the way, you can order as many as you want — and we're ready to ship today.

facts & features

Compaq AlphaServer DS10 System

Form Factor	Rack-ready 3U/desktop design
Processor/Cache	One 466 MHz Alpha 21264 processor with 2 MB of L2 cache
Memory	Up to 2 GB of ECC 100 MHz SDRAM DIMM memory; ECC protection for memory, processor cache
System Architecture	Advanced 128-bit wide memory datapaths and cross-bar switch technology providing 1.3 GB/sec (peak) memory bandwidth
Performance	*For the latest performance numbers visit www.compaq.com/alphaserver*
Internal Expansion	4 PCI slots (3 64-bit PCI, 1 32-bit PCI)
Storage Controllers	IDE Storage or SCSI Storage with optional PCI Adapter
Network Controllers	Dual 10/100 Ethernet embedded
Drive Bays	Five drive bays (1 floppy, 1 CD, 3 open)
Power Supply	300W 120/240VAC
Interfaces	Two serial, one parallel, keyboard, mouse
High-Availability	Auto reboot, thermal management software, remote system management, RAID, memory failover, ECC memory, ECC cache, error logging, optional Uninterruptible Power Supply (UPS)
Optional Clustering	*Tru64 UNIX* TruCluster Available Server and TruCluster Production Server, OpenVMS Clusters
Service and Support	Compaq provides a 3-year on-site, 5 day x 9 hour warranty with 24-hour response. Optional service options for up to 4-hour same-day response time are available, as well as a complete portfolio of worldwide service offerings to maximize your critical system environments.
Operating Systems	*Tru64 UNIX* 4.0F, OpenVMS 7.1-2, Windows NT, Linux
Standard Software	Server management software and Internet-Energized software

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Better answers

www.compaq.com/alphaserver