



Compaq AlphaServer DS10  
Alpha 21264 Processor

## Product Profile

Benefits of *Compaq AlphaServer DS10 System* at a glance

- Latest Alpha Processor available in a sleek, low-profile design
- Designed with features benefiting internet, ISP and telecom applications
- Designed to support 64-bit industry standards: PCI, RAID, Fast Ethernet
- Advanced crossbar-switch architecture capable of 1.3GB/sec peak bandwidth
- Up to four PCI I/O expansion slots, with a complete suite of high-performance PCI adapters for SCSI, network adapters and RAID
- Built-in dual 10/100Base-T Ethernet saves slots
- Remote Server Management



If you thought that the computing power of the Alpha™ 64-bit processor was out of your reach, think again. The Compaq AlphaServer™ DS10 delivers high performance with high affordability in a robust foundation system. Maybe you are developing and deploying applications on multiple operating systems as an Internet Service or Telecom Provider. Or maybe you want a starter server or development server platform with plenty of headroom. Whatever your application, the AlphaServer DS10 tailors to your needs, giving you the computing power you want at a price you demand.

The AlphaServer DS10 is completely rack-ready out of the box, and adding more capacity has never been easier. Simply slide in more systems, and you increase your computing power. Put that with remote management and support for Compaq's advanced clustering technology, and you have maximum availability with uncompromising data integrity. So, if you want to get into an Alpha, get into the AlphaServer DS10.

# AlphaServer DS10

## Key Features

- Alpha 21264 466MHz 64-bit processor with 2MB L2 cache
- Optimized to run four operating systems—Compaq Tru64 UNIX, Compaq OpenVMS, Microsoft Windows NT and Linux
- Completely rack-ready, or desktop, out-of-the box
- Advanced crossbar-switch architecture for optimum data speed at 128-bit wide, 1.3GBps peak bandwidth
- Up to 2GB ECC-protected 100MHz SDRAM DIMM memory
- Up to four PCI expansion slots
- Choice of system disks: IDE or SCSI with optional SCSI adaptor
- Dual embedded 10/100Base-T ports saves slots
- 32x CD-ROM and floppy disk standard, plus two 5.25" front access slots for DAT tape backup

## Benefits at a Glance

- Better and faster access with 1.3GB/s memory bandwidth (peak)
- Flexible ordering – tailor the system to suit your particular needs
- Available with Compaq's Tru64 UNIX or OpenVMS preloaded and capable of running Windows NT or Linux
- Compaq-designed innovative I<sup>2</sup>C-based server management, in addition to integrated ServerWORKS™ Manager

## The Compaq Advantage

- High availability support with cluster solutions
- Enhanced manageability with Compaq ServerWORKS Manager bundled in
- Advanced high-bandwidth upgrade path for even more performance and reliability: Optional SVGA, single- and dual-channel Ultra Wide SCSI2 controllers, external RAID subsystems, and enhanced network adapter support.
- Included with OpenVMS and Tru64 UNIX servers — Internet-energized software — your server is Internet-ready
- Flexibility of operating system choices
- Superior price/performance built on five years of proven 64-bit technology
- High availability you can rely on

## Compaq Capital Leasing

Compaq offers flexible leasing and financing alternatives, through Compaq Capital, for businesses of all sizes. We can customize financing solutions that enable customers to cost effectively acquire the technology and services needed to adapt to changing business conditions.



# AlphaServer DS10

## Key Options

### Cabinet Enclosures and Shelves

Cabinet 67" high, 120V dual 24A controller	H9A10-MC
Cabinet 67" high, 240V dual 16A controller	H9A10-MD
Cabinet 79" high, 120V dual 24A controller	H9A15-MC
Cabinet 79" high, 240V dual 16A controller	H9A15-MD

### Memory

64 MB (2 x 32 MB) DIMM kit	3X-MS310-AA
128 MB (2 X 64 MB) DIMM kit	3X-MS310-BA
256 MB (2 X 128 MB) DIMM kit	3X-MS310-CA
512 MB (2 X 256 MB) DIMM kit	3X-MS310-DA
1 GB (2 X 512 MB) DIMM kit	3X-MS310-EA

### Monitors

15" 1024 X 768 color	3R-VRQV524/11
17" 1280 X 1024 color	SN-VRQP724/23
21" 1600 X 1200 color	SN-VRQP124/23

### Graphics Controllers

PowerStorm™ 3D30 2D/3D 8-plane adapter	SN-PBXGB-AA
Elsa Gloria Synergy	SN-PBXGK-BB

### Internal Hard Drives

10 GB 5400 RPM IDE Hard Drive	3X-RE56A-AA
4.3 GB 7200 RPM USCSI Hard Drive	R21CF-WA
9.1 GB 7200 RPM USCSI Hard Drive	DS-RZ2DA-WA
9.1 GB 10,000 RPM USCSI Hard Drive	DS-RZ1DD-WA
USCSI Cable Kit	3X-BN50A-01

### Communications Options

10/100 Mbit Ethernet, PCI, 1port, twisted pair	DE500-BA
10/100 Mbit Ethernet, PCI, 1port, MMF	DE500-FA
10/100 Mbit Ethernet, PCI, 4 port, twisted pair	DE504-BA
PCI to GBE SX adapter	DEGPA-SA
PCI to ATM 155 Mbit adapter	3X-DAPBA-FA

### Storage Controllers/Tapes Internal

PCI-based 1 port USCSI SE adapter	KZPBA-CA
Dual channel PCI to USCSI adapter	KZPCM-DA
DAT 4mm Internal Tape Drive	TLZ10-LB

### External

PCI-based 1 port USCSI Differential Adapter	KZPBA-CB
PCI-based 1-3 port USCSI Raid Controllers	KZPAC-AA/CA/CB

### Memory Channel

Memory Channel 2	CCMAB-AA
Memory Channel 2 Hub	CCMHB-AA
Memory Channel 2 UniCard	CCMLB-AA
MCZ Fiber Optic Converter Modle	CCMFB-AA

# Competitive Comparison Chart\*

	Compaq AlphaServer DS10	Sun Enterprise Ultra 10s	Hewlett-Packard HP9000 A180c
<b>Processor</b>	Alpha 21264 466 MHz	uSPARC III 333 MHz	PA-7300LC 180 MHz
<b># of Processors</b>	1	1	1
<b>External Cache</b>	2 MB	2 MB	1 MB
<b>Memory</b>	64 MB-2 GB	128 MB-1GB	128 MB-2GB
<b>Expansion Slots</b>	4 slots: 3 64-bit PCI, 1 32-bit PCI	4 slots: 4 32-bit, 33 MHz	2 slots: 32-bit, PCI/HSC
<b>Media Bays</b>	2	3+1 PCMCIA	2
<b>Drive Bays/Max Int.</b>	4/54 GB	2/18.2GB	2/18GB
<b>Redundant Power</b>	No	No	No
<b>Hot-swap</b>	No	No	No
<b>UNIX</b>	Tru64/Linux	No	No
<b>Windows NT</b>	Yes	No	No
<b>OpenVMS</b>	Yes	No	No
<b>Switch-based</b>	Yes	Yes	No
<b>Memory bandwidth (peak)</b>	1.3 GB/sec	385 MB/s Bcopy	
<b>I/O Throughput</b>	250 MB/s	1.07 GB/s	—
<b>SPECint95</b>	24	14.1	9
<b>SPECfp95</b>	2	18.1	9.35
<b>SPECweb96 (quad)</b>	**	—	—
<b>Standard Warranty</b>	3 years, on-site	1 year, on-site ND response	

\* Competitive information is based on manufacturer data available at the time of publication.

\*\* See Compaq AlphaServer Web Site [www.compaq.com/alphaserver](http://www.compaq.com/alphaserver) for the latest performance information.

## For more information

Toll Free Phone: 1-800-344-4825

Web Site: [www.compaq.com/alphaserver](http://www.compaq.com/alphaserver)

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