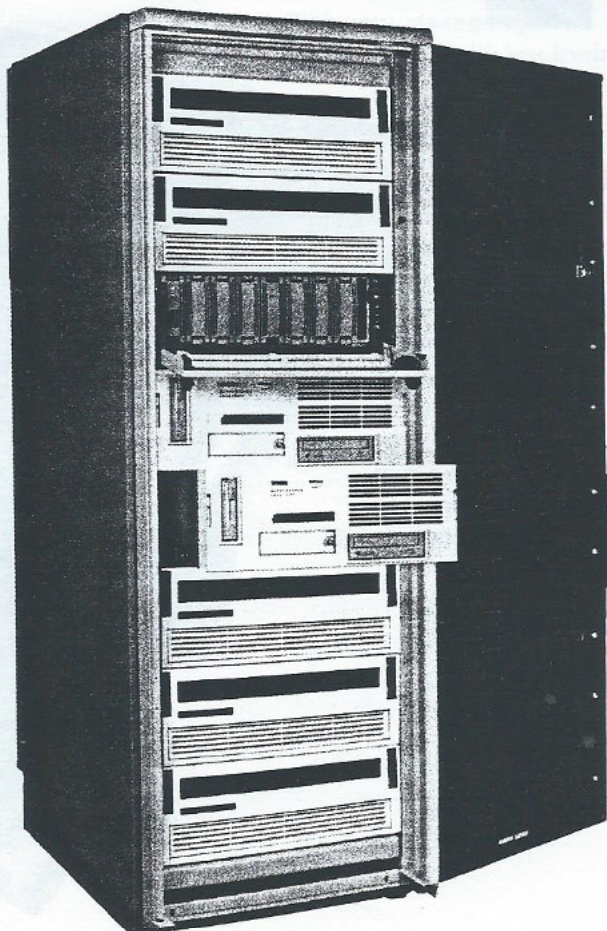




AlphaServer 2100A Low Profile Rackmount System

High-profile performance in a low-profile package

The AlphaServer family is a hit with an open, accessible operating environment and industry-leading 64-bit RISC technology that tears through over 3000 transactions per minute at a cost of \$196/tpmC (putting to shame machines that cost five times the price). Now, the new AlphaServer 2100A LP Rackmount family gives you all that power and performance in half the space!



It just keeps getting better—and smaller! The AlphaServer 2100A LP (low profile)

Rackmount system is a compact version of the AlphaServer 2100A Rackmount system. It has the same C-bus architecture, uses the same CPUs and memory, supports the same options, and runs the same operating systems as the 2100A model. *But it occupies only seven inches of vertical rack space!*

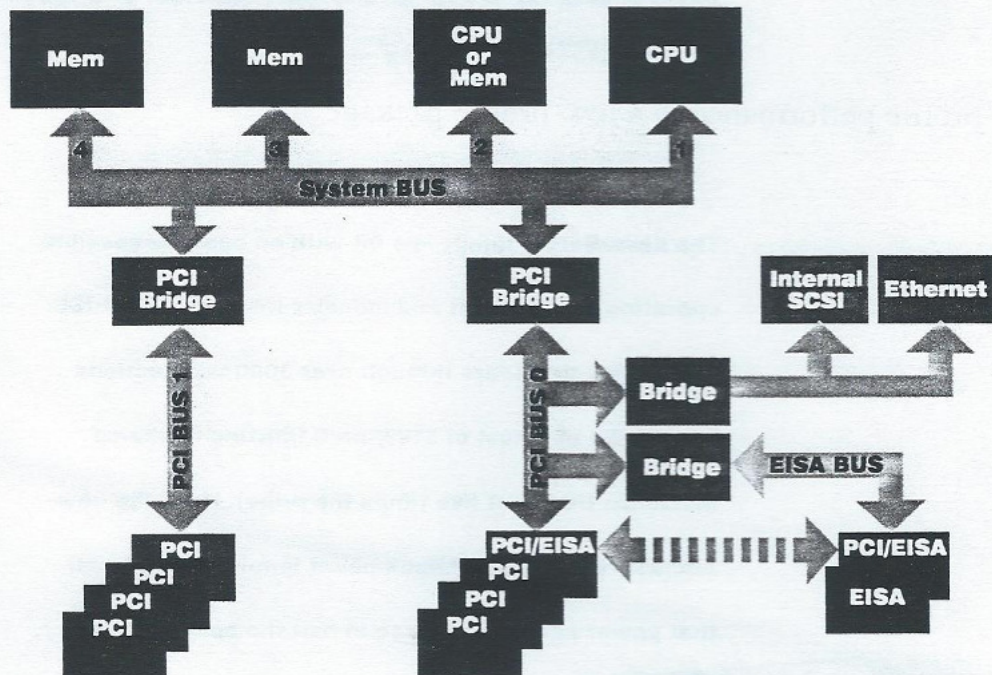
Digital has done it again: leveraging the equation of power per square foot into a whole new world of price/performance.

Benefits

- New approach to PCI I/O structure yields 264 MB/s bandwidth
- Thousands of applications are ready to run on your choice of Digital UNIX, OpenVMS, or Windows NT Server operating system software
- Rackmounting consolidates systems, storage, and communications options in a functionality-packed cabinet that maximizes performance per square foot of floor space
- Off-the-shelf building blocks are integrated and tested to produce a highly available system that meets your performance requirements and keeps your business online
- StorageWorks modular subsystems enable you to buy the storage you need today and seamlessly expand to meet tomorrow's needs
- Three-year hardware warranty provides the best support available today

Highlights

- This new "low profile" system occupies only seven inches of vertical rack space compared to fourteen inches for the standard version
- Both the AlphaServer 2100A LP 5/250 and 5/300 use the AlphaServer 21164 microprocessor with 4 MB cache
- Install up to two 5/250 or 5/300 Alpha processors in powerful SMP configurations
- Add low-cost, industry-standard options with eight PCI slots on two buses and one EISA slot
- Employ optional Uninterruptible Power Systems to ensure maximum uptime
- Deliver mainframe class computing with OpenVMS or UNIX clusters
- A range of features support high reliability and availability on Digital UNIX, OpenVMS, and Windows NT



New PCI-IO structure

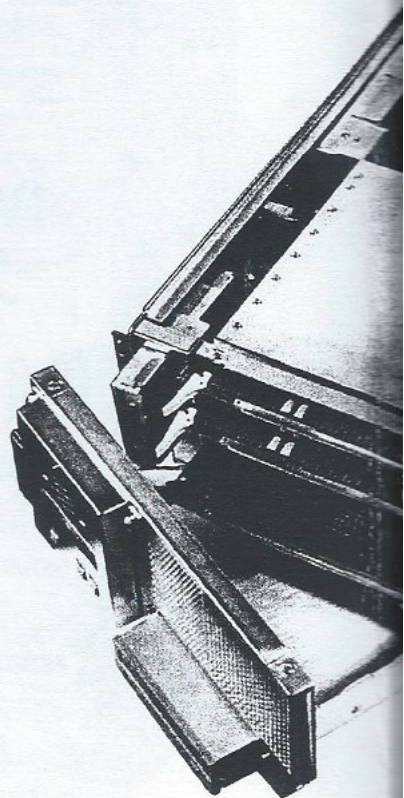
Meeting the challenge

In the current highly competitive, rapidly changing business climate, critical applications demand more from the systems that support them. Users demand quick response times, fast application processing, and uninterrupted service. IT and system managers demand a computing environment that satisfies users and can incrementally, cost effectively expand as the business grows—while preserving current investments.

AlphaServer 2100A LP

Rackmount systems are optimized to support these computing realities with Alpha central processors, symmetric multiprocessing, and high performance, industry-standard PCI I/O.

The result? Exceptional throughput to meet rigorous application-processing requirements and cost-effective incremental expansion.



New PCI I/O structure

The AlphaServer 2100A LP system has two PCI buses with four PCI slots per bus. This makes the LP version a superior I/O system for environments where the I/O throughput/bandwidth of a single PCI bus would be functionally challenged.

The power of two

Each system can be configured with up to two processors of the same speed for symmetric multiprocessing (SMP). The systems support up to 1.5 GB of memory and include a 2 GB internal disk drive.

Superior I/O

Configured on two buses with four PCI slots each, the high-performance PCI I/O subsystem has a peak bandwidth of 264 MB per second. The 33 MB per second EISA I/O bus supports a number of industry-standard EISA options.

Rackmount flexibility

Ideal for general-purpose commercial and high-performance applications, database, and PC LAN Superserver computing environments, the AlphaServer 2100A LP Rackmount system gives you flexibility to suit your configuration requirements with its modular design.

Pick your storage options

To ensure you the highest levels of uptime, the

AlphaServer 2100A LP Rackmount system is designed with minimal internal storage, while most of your data is stored in independent storage shelves.

Mission-critical environments

Supporting StorageWorks storage devices, the AlphaServer 2100A LP Rackmount systems boast high-availability features such as optional controller-based RAID and hot swap of disks for mission-critical environments. RAID levels supported are 0 (striping), 1 (shadowing), 0+1 (striped shadowing), and 5 (striping with parity).

300 GB in a single cabinet

You can locate all storage in as many as nine StorageWorks shelves in a single cabinet providing up to 300 GB using 4.3 GB disks.

Remarkable concentration of compute power

Space is always at a premium. Configured in a rackmountable chassis, the AlphaServer 2100A LP Rackmount system conserves floor space and delivers exceptional performance. Add to that the fact that you can pack two 2100A LP systems in the space of one full-size system and you've got a truly remarkable concentration of compute power per square foot of floor space.

Integration options

Your entire system can be pre-assembled prior to delivery, giving you a totally integrated solution. Or, the 2100A LP system can be shipped directly to your site for integration on location.

Of course, the AlphaServer 2100A LP Rackmount system is binary compatible with the other members of the AlphaServer family.

Easy maintenance

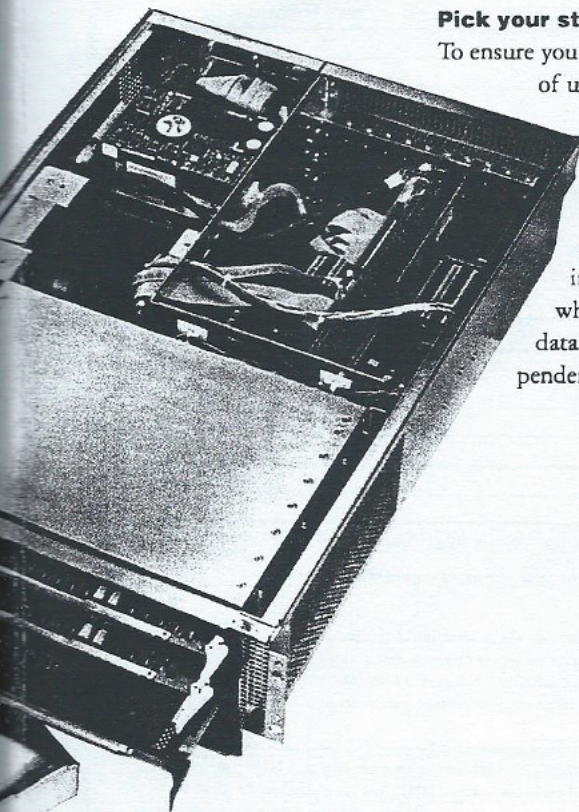
The AlphaServer 2100A LP Rackmount system components are easily accessed from the front to accommodate service and maintenance tasks while minimizing downtime. Front-to-back cooling enables the installation of third-party components without affecting system operating temperature.

You're covered for three years

All AlphaServer 2100A LP Rackmount systems are covered by a three-year onsite, next-business-day response time warranty. Software is covered with 90-day Software Product Description (SPD) conformance with advisory telephone support.

A broad range of service and support

Whether you require training, consulting, network integration, software support, or comprehensive system maintenance, Digital's global service capability is the single-source solution to meet your needs.





AlphaServer 2100A Low Profile Rackmount System specifications

	Model 5/250	Model 5/300
CPU features		
Microprocessor	21164 Alpha	21164 Alpha
Number of processors	Up to 2	Up to 2
Clock speed	250 MHz	291 MHz
Cache on chip	8 KB I-cache	8 KB I-cache
	8 KB D-cache (up to 96 KB)	8 KB D-cache (up to 96 KB)
On-board cache per processor	4 MB	4 MB
Performance		
SPECint92	277.1	319.3
SPECfp92	410.4	477.3
I/O		
Maximum memory	1.5 GB (one processor) 1 GB (two processors)	1.5 GB (one processor) 1 GB (two processors)
Internal system storage	One (1) 2 GB disk One (1) 1.44 MB floppy One (1) 5.25-in. removable media bay for optional tape or CD-ROM	One (1) 2 GB disk, One (1) 1.44 MB floppy One (1) 5.25-in. removable media bay for optional tape or CD-ROM
Maximum in-cabinet storage	300 GB	300 GB
Maximum total storage	650 GB	650 GB
Maximum I/O throughput (all systems)	PCI: 264 MB/s, EISA: 33 MB/s	
I/O support (all systems)	7 PCI slots on 2 buses, 1 EISA slot, 1 PCI/EISA slot, (total 9 slots); onboard Ethernet	7 PCI slots on 2 buses, 1 EISA slot, 1 PCI/EISA slot, (total 9 slots); onboard Ethernet
Options		
Networking	Ethernet, FDDI, Token Ring, synchronous communications	
Storage	SCSI-2, SCSI-3, RAID, DSSI (OpenVMS only), Prestoserve (Digital UNIX only)	
Availability features		
System	Auto reboot, thermal management, remote system management, RAID, disk hot swap, memory failover, ECC memory, ECC cache, SMP CPU failover, error logging, optional uninterruptible power supply, multiple systems, multiple power sources, dual-ported storage	
OpenVMS clusters	Ethernet, DSSI, FDDI	
AdvantageCluster	DECsafe ASE (UNIX)	
Operating systems	Digital UNIX, OpenVMS, Windows NT Server	
Operating environment		
Temperature	10°C to 35°C (50°F to 95°F)	
Relative humidity	10-90% (noncondensing)	
Power supply	One (1) 570W	
Physical dimensions	17.5H x 45.0W x 70.5D cm 7.0H x 19.0W x 27.75D inches	
Warranty	Three-year on-site; next business day response time. Warranty may be upgraded to enhance your coverage.	

Note: Features may differ among operating environments. Performance may vary depending on configuration, application, and operating environment.

Call us

Put the power of rackmount AlphaServer systems to work for you. Contact your Digital sales representative or authorized business partner. For on-line information, send mail to info@digital.com.

Digital Equipment Corporation believes the information in this publication is accurate as of its publication date. Such information is subject to change without notice. Digital is not responsible for any inadvertent errors. Digital conducts its business in a manner that conserves the environment and protects the safety and health of its employees, customers, and the community.

Digital and DIGITAL logo, AdvantageCluster, AlphaServer, DEC, DECsafe, OpenVMS, and StorageWorks are trademarks of Digital Equipment Corporation. Digital UNIX is an X/Open UNIX 93 branded product. Third-party trademarks: UNIX is a registered trademark in the United States and other countries, licensed exclusively through X/Open Company Ltd. Microsoft and Windows NT are trademarks of Microsoft Corporation.