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DIGITAL AlphaServer™ 800 system

The ultimate communications server

The DIGITAL AlphaServer 800 system keeps you ahead of the pack with incredibly fast Internet, mail, and messaging performance. For today's demanding communications applications, it delivers the speed and efficiency that is critical to your business – at an affordable price.

Benefits

- Keep your business up and running with high-availability features; a range of clustering options; a full suite of Internet-Energized software; and DIGITAL ServerWORKS™ Manager software.
- Reduce the need for specialized personnel on-site with remote management hardware and software that monitors temperature and power; performs diagnostics; and executes on/off, reboot, and other tasks from remote locations.
- Gain the freedom to scale your systems to meet your business demands with rack-and-stack configuration flexibility.
- Achieve maximum flexibility with access to thousands of applications and a choice of three operating systems – DIGITAL UNIX®, Microsoft® Windows NT™, or OpenVMS™.
- Attain uncompromised reliability and high availability backed by a three-year warranty supported by a world-class service organization.

Performance

Your remote possibilities

The DIGITAL AlphaServer 800 system combines the power of the 64-bit Alpha processor together with high-availability design and a set of features that make remote operation something you can count on. And remote operation translates into savings. You have the freedom to locate the AlphaServer 800 where you need it, and you can minimize your costs by having one location to manage your systems. Most interventions can be handled easily by a systems administrator – across town or on the other side of the world. Storage devices plug in easily, too. With TruCluster™ software, the AlphaServer 800 has the high availability required for mission-critical applications.

Remote management and diagnosis are easy using the AlphaServer 800 integrated Remote Management Console. For instance, with the Remote Management Console, an operator in another location can monitor machine "vital signs" such as temperature and voltage, perform power off/on, reset, and halt. And because the Remote Management Console is powered by an auxiliary regulator in the main power system, the system can be interrogated even if the system is turned off or shuts down.

The AlphaServer 800 integrated Remote Management Console can also be configured to automatically dial a pager, telephone, or another system when it detects specified alert conditions.

Robust, integrated features

Reliability in the DIGITAL AlphaServer 800 system starts with standard features such as an enclosure temperature sensor, fan speed sensor, power supply over/under protection, and ECC memory. There are a total of six expansion slots (3 PCI/1 combined/ 2 EISA). Additional features such as an UltraSCSI controller, an SVGA controller with 1 MB of video RAM, two serial ports, one parallel port, keyboard and mouse controller, and a Remote Management Console are integrated into the system board to reduce potential failure points and economize on space.

Management in depth

The AlphaServer 800 system includes DIGITAL ServerWORKS Manager software, a complete package of integrated system and network software tools, which provides "out-of-the-box" network and server management. ServerWORKS provides a view of your server network, enabling proactive control and management of your network resources. This improves uptime and user productivity while also reducing overall cost of ownership.

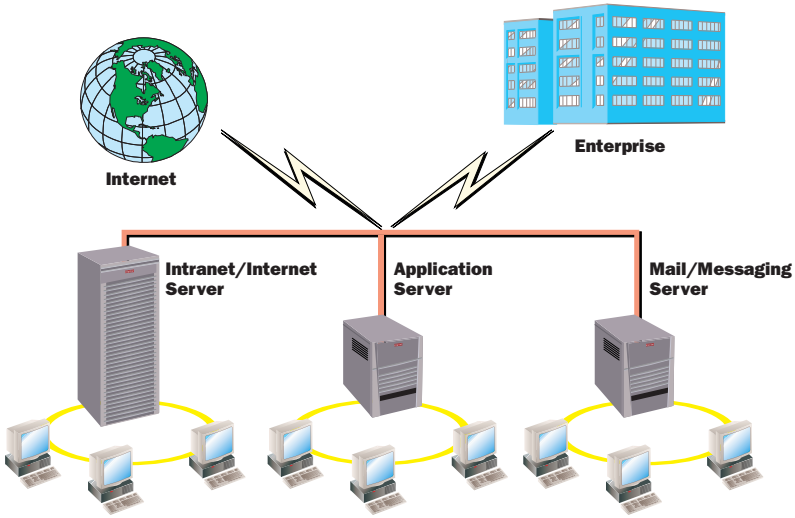
ServerWORKS operates from an easy-to-use GUI and can provide automatic monitoring of LAN and AlphaServers, remote paging, and agents for a variety of operating systems. ServerWORKS is even SNMP-compliant (Simple Network Management Protocol), so you can monitor and manage hardware from other vendors as well.

Using SNMP for Windows NT, DIGITAL UNIX, and OpenVMS, SNMP agents can acquire and present critical server information such as system and network status, I/O information, storage, and disk activities.

Like Remote Management Console, ServerWORKS Manager can forward alarms to the remote ServerWORKS console and can also page remote locations.

Easily manage networked servers with AlphaServer 800 Remote Management Console and ServerWORKS Manager Software.

DIGITAL AlphaServer 800 – Powerful, affordable remote site server



ServerWORKS is integrated with a number of leading third-party solutions that extend its capability to provide application and data management, enhanced power management – and storage management – through the DIGITAL StorageWorks™ Command Console.

For an array of applications

High availability and remote operation aren't the only features that set the 64-bit DIGITAL AlphaServer 800 apart from the typical 32-bit server. The AlphaServer 800 systems provide 64-bit PCI I/O bandwidth. This means higher speed and throughput to get the utmost application performance from your AlphaServer. No matter how demanding the application, you get predictable response time.

And to run a broad range of commercial applications, you can choose between three operating systems – DIGITAL UNIX, OpenVMS, and Windows NT Server – each of which supports thousands of business applications.

DIGITAL has a rapidly growing range of software partners, including Microsoft, INFORMIX®, ORACLE®, SYBASE®, and Software AG. And thousands of Alpha-ready applications ensure the availability of complete solutions for the AlphaServer 800 systems.

Flexible, full-strength design

The DIGITAL AlphaServer 800 system is a powerhouse contained in a small footprint. Pedestal and rackmount versions of the AlphaServer 800 system allow great rack-and-stack configuration flexibility. AlphaServer 800 systems are fully clusterable. And ECC-protected cache, memory, and system bus secure your data. These features, along with advanced memory and hot-swap storage, make them especially suited for high-availability applications.

Internet-Energized

Every DIGITAL AlphaServer system ships with a complete suite of Web server software. From the robust DIGITAL UNIX platform – featuring one of the industry's leading Web content and authoring tools, Netscape Enterprise Server® – to the Windows NT and OpenVMS offerings with premier Web authoring, security, and management tools, AlphaServer systems facilitate your business' migration to future Internet applications. Prepared to deliver on the additional system demands of Internet applications, such as the performance and availability to handle peak loads and constant access with predictable and consistent user response time, DIGITAL Internet-Energized AlphaServer systems help you win in a networked world.

3-year on-site warranty

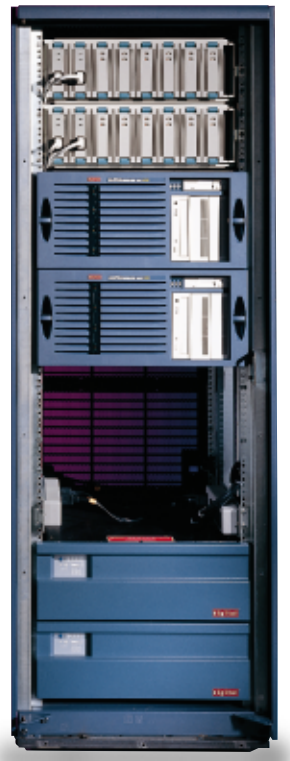
The AlphaServer 800 system comes standard with a 3-year hardware warranty. If your system should need service, you can count on DIGITAL to be there with one of the most highly acclaimed services organizations in the industry.

A full range of services

DIGITAL and its partners offer the broadest range of multivendor support services in the industry. For training, consulting, network integration, software support, and comprehensive system maintenance, DIGITAL, with its partners, is the single-source solution to meet your needs.

Your next step

To learn more about the DIGITAL AlphaServer 800 systems, visit our AlphaServer Web site at ***http://www.digital.com/alphaserver*** or call 1-800-DIGITAL via a touch-tone phone in the U.S. and Canada, or 1-908-885-6426 from other regions.



High availability

"The integration of the new DIGITAL AlphaServer 800 with its leadership reliability and availability features helps to increase our competitive offering."

Freek Knoet
Director – MRI Division
Philips Medical Systems

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DIGITAL AlphaServer 800

CPU features	5/333	5/400	5/500
Number of processors	1	1	1
CPU/clock speed	21164/333 MHz	21164/400 MHz	21164/500 MHz
Cache size (on-chip/on-board)	8 KB-I, 8 KB-D, 96 KB secondary/2 MB	8 KB-I, 8 KB-D, 96 KB secondary/2 MB	8 KB-I, 8 KB-D, 96 KB secondary/2 MB
Performance			
SPECint95®	10.1	11.7	14.2
SPECfp95®	12.9	13.7	16.1
SPECint_rate95®	90.9	105	129
SPECfp_rate95®	116	123	145
LINPACK 1000 X 1000	374.60	412.50	496.90
SPECweb96®	–	934	1,545
Configurations			
Maximum memory	2 GB	2 GB	2 GB
Maximum disk capacity (in-cabinet/total)	36 GB/5.3 TB	36 GB/5.3 TB	36 GB/5.3 TB
Maximum I/O bandwidth	266 MB/s	266 MB/s	266 MB/s
I/O support (max. config.)	3 PCI slots, 2 EISA slots, 1 64-bit PCI/EISA slot		
Standard Features			
	1.44 MB diskette drive, 4.3 GB Hard drive, 12X CD-ROM drive, hot-swap drives, 10/100 Mbit Ethernet controller, integral ultra FWSE SCSI-2 controller, integrated SVGA controller, 2 serial ports, 1 parallel port, keyboard and mouse controller, integrated remote management console, ServerWORKS Manager software, Internet software		
Reliability/high-availability features			
OpenVMS Clusters	SCSI, DSSI, Ethernet, FDDI		
UNIX Clusters (DIGITAL UNIX)	TruCluster Available Server, TruCluster Production Server		
DIGITAL Clusters for Windows NT	Supported		
High-availability features	ECC memory, ECC cache, hot-swap drives, memory failover, thermal management, auto reboot, remote management console, optional UPS, ServerWORKS Manager software		
Storage			
Internal	UltraSCSI SCA-2	UltraSCSI SCA-2	UltraSCSI SCA-2
External	StorageWorks	StorageWorks	StorageWorks
Software Features			
Operating Systems	DIGITAL UNIX, OpenVMS, Windows NT		
Options			
Networking	Ethernet, Fast Ethernet, FDDI, Token Ring, synchronous comms., ATM		
Storage	Fast SCSI-2, FW SCSI-2, UltraSCSI, RAID		

Operating Environment	Pedestal	Rackmount
Temperature	10°-40°C (95°-104°F)	10°-35°C (50°-95°F)
Relative humidity	20-80%	20-80%
Power supply	300 Watts	300 Watts

Enclosure Characteristics	Pedestal	Rackmount
Height	45 cm (17.5 in.)	22 cm (fits 8.75 in. [5u] standard)
Width	22.6 cm (8.9 in.)	Standard EIA 310D (RETMA)
Depth	65.8 cm (25.9 in.)	63.8 cm (25.1 in.)
Weight	28 kg (62 lb.) maximum	28 kg (62 lb.) maximum

Warranty	
	Hardware: three-year, on-site, with 5x9, 24-hour response Software: 90-day SPD conformance, with advisory telephone support

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