The InfoServer 150 Storage Server

High-Performance Network Server Delivers Information Across Multiple Operating Environments

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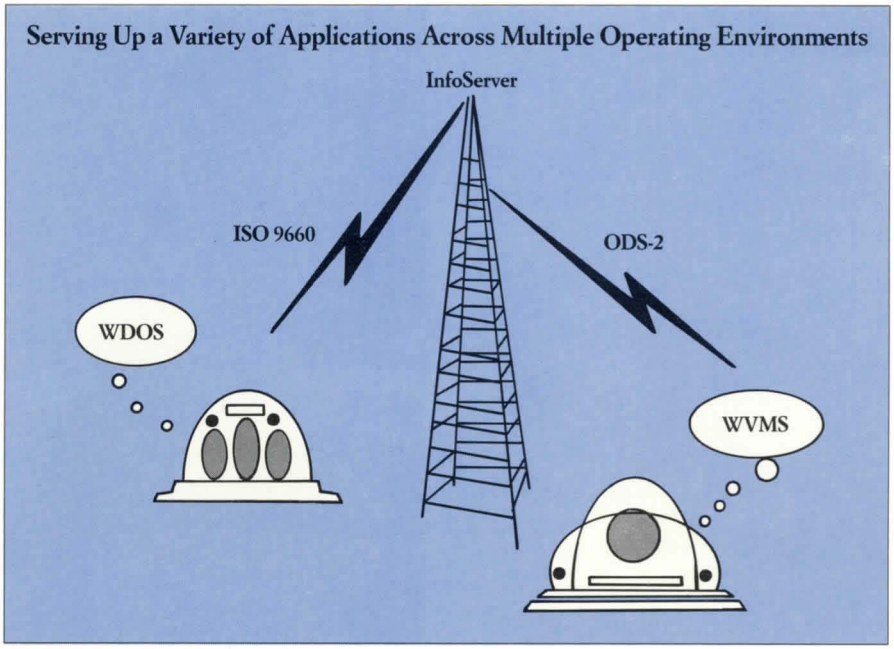
The InfoServer 150 is a dedicated storage server optimized for use in a local area network. It shares information, located on Small Computer System Interface (SCSI) devices, across multiple operating environments. Thousands of databases and applications can be served through this centrally located system resource.

This plug-and-play server attaches directly to the 802.3/Ethernet local area network and lets users access storage devices regardless of the specific operating environment. For example, with one InfoServer 150, VMS users can perform system management tasks while DOS users can use one or several of the more than 6,000 applications available on CD. This ability to access VMS and DOS applications simultaneously gives you a true open systems information server.

Highlights

- Supports up to 100 concurrent clients (accessing the same server)
- Serves multiple formats, including ODS-2 and industry-standard ISO 9660 and High Sierra — simultaneously
- Performance enhanced with a caching scheme, 60ns CPU chip, and sophisticated software
- Supports up to 14 locally-attached SCSI devices, including tape, CD-ROM, hard disk, and magneto-optical drives
- Cost-effective — Rights to use all Digital-developed InfoServer 150 clients are included with the server license
- Features factory-loaded software
- Easy to manage

- Used as a shared LAN peripheral for up to 100 clients, the InfoServer 150 provides significant cost-of-ownership benefits.
- The InfoServer 150 serves information regardless of format. DOS clients can read ISO 9660 and High Sierra formats, while VMS users can read ODS-2 formats — simultaneously.
- A highly-developed caching scheme, 60ns CPU chip, and sophisticated software that uses an efficient transport protocol provide outstanding performance.
- Because the InfoServer 150 supports up to 14 SCSI devices, applications that require several CD-ROMs to be online simultaneously can be used. Hard disk, tape, and other types of SCSI devices that support read-only and read-write media can be accessed at the same time. In addition, users can write to disks while others are reading applications on other disks.
- Preconfigured hardware and factory-loaded software provide for plug-and-play installation and easy management.



Like a radio tower that transmits information, the InfoServer 150 requires a receiver to gather and interpret the signals. This receiver is the client software. Each client recognizes and interprets the information in the format it understands, depending on the operating system that is used.

The client software allows each client to interpret the data according to its own format. VMS users read the ODS-2 CD format. DOS clients look for information to be formatted in ISO 9660 or High Sierra formats. Because the InfoServer 150 serves devices regardless of format, both VMS and DOS systems can use the same InfoServer 150 system.

CD-ROM Storage: Perfect for Databases and Software Distribution

Compact disc is the medium of choice for a growing number of databases. An integral CD-ROM disc drive is included with all InfoServer 150 systems. The size and durability of compact discs make them perfect for distributing software, layered applications, documentation, and large databases. A single 600MB compact disc can eliminate volumes of printed material, freeing office shelf space and lowering storage costs.

More than 6,000 CD applications are available today. Librarians and other researchers can use Computer Select for journal abstracts and full text references.

Doctors and medical researchers can use the MEDLINE database to access technical abstracts and a variety of biomedical literature. Because the InfoServer 150 supports up to 14 SCSI devices, users can mount a variety of discs, reducing the need for frequent user intervention to access required information.

CD Applications at a Glance

*Title**	*Format*	*Application*
VMS Consolidated Software Distribution	ODS-2	MIS
VMS Online Documentation Library	ODS-2	MIS
DEClearn	ODS-2	Business/Education
Computer Select	High Sierra	Libraries
The New Grolier Electronic Encyclopedia	ISO 9660	Education
Microsoft Bookshelf CD-ROM Reference Library	ISO 9660	Communications
MEDLINE	ISO 9660	Healthcare

*Some products may be country specific.

Digital provides media replication and distribution services to put your databases on CD-ROM media. Contact your Digital sales representative or authorized distributor for details.

In addition, VMS system managers can take advantage of VMS Online Documentation Library and VMS Consolidated Software Distribution to access documentation and software-layered products on CD. The InfoServer 150 allows system managers to distribute software and documentation from one central location. CDs can also be used to provide initial system load services to VAX systems, eliminating the need to use tape media to load VMS save sets to a new system disk.

Cost-saving Advantages of the InfoServer 150

One of the most practical ways in which the InfoServer 150 saves you money is in licensing. The InfoServer 150 includes the license for each Digital-developed client that accesses the services of the InfoServer 150. This means that you only need to purchase the InfoServer 150 and the appropriate client media kit(s) to complete your cost-effective server solution. You won't have to pay for a license per seat or be faced with incremental costs each time that you add a client to your configuration.

In today's LAN environment, system peripheral sharing is a cost-effective way to do business. Consider that up to 100 LAN clients can be served by one InfoServer 150 system. The InfoServer 150 lets these clients take advantage of a single, centralized resource for sharing data, whether it is for read-only purposes as with online documentation, or for writing files to a hard disk or magneto-optical storage device that can be shared throughout the LAN.

As your needs change, the versatility of the InfoServer 150 can save you money. For example, you have the flexibility to add different types of SCSI devices. And, should your needs expand beyond 14 devices, you can easily add more InfoServer 150 systems to your LAN.

Finally, using CD media for software updates and documentation lowers your costs by eliminating the need to purchase tape cartridges for each individual product. Also, using the InfoServer 150 for initial system load saves time since software loading is much faster than with tapes. VAX system managers do not have to purchase a separate storage adapter for their systems if they load from the InfoServer 150.

The InfoServer 150, pictured here with an external CD-ROM drive, provides cost-effective information sharing across 802.3/Ethernet local area networks. Up to 100 concurrent clients can access the InfoServer 150 at one time.

Enhanced Performance Speeds Information to Your Desk

The InfoServer 150 combines a caching scheme, sophisticated software implementation, and a powerful 60ns CPU chip to deliver high-performance virtual disk services to clients. It uses 4MB of memory, 3MB of which are dedicated to caching user data retrieved from the SCSI devices. No additional memory is required. The caching scheme prefetches data based on the user's current requests. This allows subsequent requests to be processed even faster.

The InfoServer 150 Version 2.0 kernel software is optimized for storage serving. It uses only the code required to make it a virtual block server, thus enhancing performance. It takes advantage of a protocol called local area system transport (LASTport)/Disk. LASTport is a network transport protocol for establishing associations and exchanging data, thereby improving performance and reducing resource consumption. Since LASTport/Disk works at the block level, it lets you serve at a level that allows clients to receive information according to their specific format.

The powerful InfoServer 150 lets you access information from a wide variety of SCSI devices — from hard disk and tape to CD-ROM and magneto-optical drives.

Flexible Packaging Options to Better Serve Your Needs

Several InfoServer 150 packages are offered to meet your specific needs. The basic InfoServer 150 system includes 4MB of system memory (3MB utilized as cache), an Ethernet interface for either ThinWire or thick wire connections, and two SCSI ports for adding additional external SCSI storage devices. The system also features an internal 121MB RZ23L hard disk and an integral CD-ROM drive. All systems can be expanded to include up to 14 Digital-qualified SCSI devices, providing that ANSI SCSI bus length requirements are observed.

All InfoServer 150 systems include factory-loaded InfoServer Software, Version 2.0. This software is self-booting, requires no management for standard operation, and provides a simple system management interface if control and monitoring of server activity are desired. Base-level systems also include software support that allows clients to access disk services, including CD-ROM, hard disk, and magneto-optical.

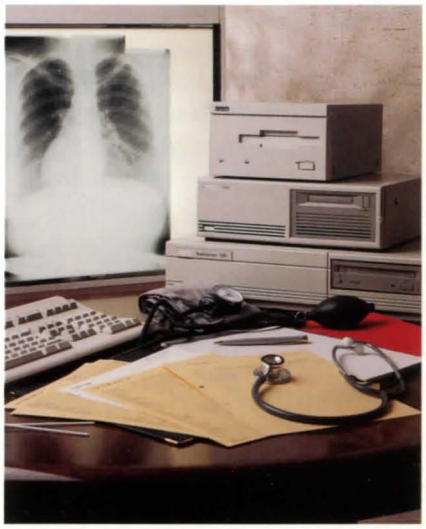
Other packages include the base system plus additional software that allows selected clients to access tapes. Base level systems can be upgraded with this software. The software lets VMS users access applications and software on tape. VMS system managers will find it particularly useful for performing centralized tape backups and initial system load services.

InfoServer 150 Specifications

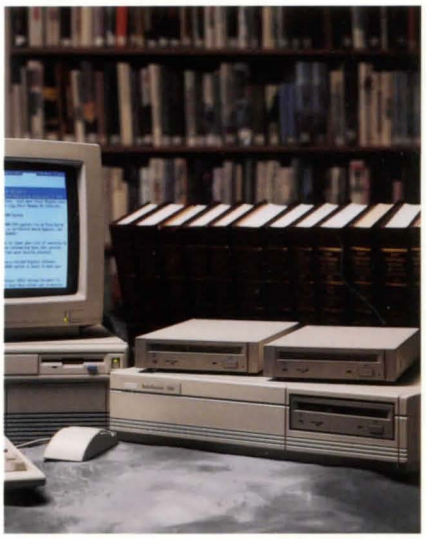
System enclosure	tabletop
Maximum total drives	14 (including integral hard disk and CD-ROM drive)
Ethernet communications	1 AUI (thick wire)/ThinWire port 1 console port
Power Requirements	
Nominal voltage	110/240 V
Power source phasing	single
Nominal frequency	50 Hz–60 Hz
Voltage range	88 V–132 V 176 V–264 V
Line frequency tolerance	47 Hz–63 Hz
Maximum running current	2.8 A/1.5 A
Maximum power consumption	190 W
Physical Characteristics	
Height	10.33 cm (4.07 in)
Width	46.38 cm (18.26 in)
Depth	39.42 cm (15.52 in)
Weight	11.4 kg (25 lb)
Operating Environment	
Temperature (sea level)	10°C to 32°C (50°F to 90°F)
Relative humidity	10% to 80%
Non-condensing maximum operating altitude	2.4 km (8,000 ft)

For More Information

Digital has more than 600 sales and service offices located around the world. For more information, contact your local Digital sales representative or authorized distributor. No matter what your business needs, Digital's Customer Services organization can provide flexible warranty and service options.



Access hundreds of up-to-date medical references to aid in diagnosis. The InfoServer 150 can also serve scanned images such as X-rays.



This high-performance network storage server is an ideal tool for libraries in corporate research centers, law offices, and university settings. It makes volumes of information readily available to users, regardless of the operating system that they use. No reference organization should be without it!

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