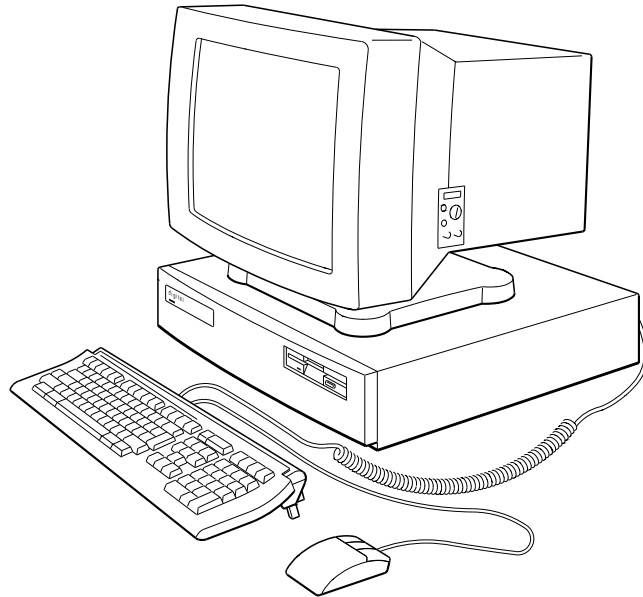


The *Personal* DECstation Series Workstations and Server

The Only Entry-Level RISC Systems With the Future Built In



The Personal DECstation Series workstations and server are Digital's new low-end, ACE-compatible RISC systems. They offer an excellent combination of performance and features at the lowest price, enabling you to offer the power of RISC technology to more people in your business.

But limiting your investment does not imply limiting your options.

The Personal DECstation Series workstations, available in two models, the Personal DECstation 5000/20 and the Personal DECstation 5000/25, give you all the capabilities you have come to expect from a workstation, and more. Powerful, removable CPU cards. Extensive system expansion. A variety of graphics options, including on-board 1024x768, 8-plane color. Support for multiple network protocols. And, support for multimedia technology and applications.

At the same time, the Personal DECstations are Digital's first RISC Personal Workstations. Low entry price and new applications let you take advantage of workstation technology while still providing a bridge back to your PC environments.

The DECsystem 5000/25, Digital's new desktop server, offers the same performance and support for options as the Personal DECstation 5000/25 workstation. It is an ideal, economical solution as a server supporting small workgroups of PCs or workstations, or for providing timeshare capabilities in multiuser environments.

Digital's First RISC Personal Workstations

Although PCs are still predominant on the desktop, many users today find that they are outgrowing the capabilities of their PCs. The need for faster access to data, more power, and a distributed networked environment is driving the demand for workstation features. But at the same time, users want to maintain the benefits of and investments in PC applications.

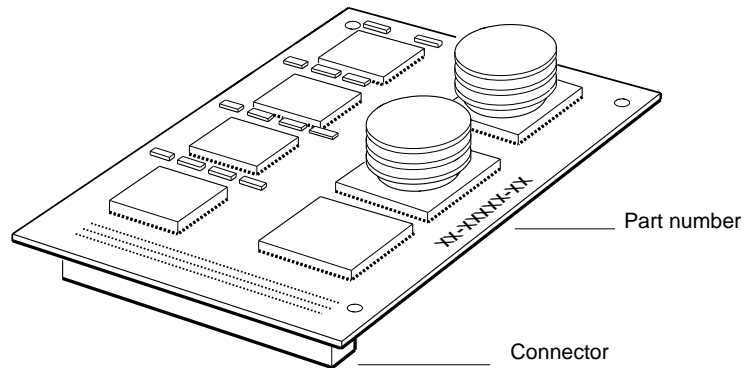
As Digital's first RISC Personal Workstations, the Personal DECstation Series liberates the PC user by combining the power of a workstation with the productivity of a PC.

Low-Cost Graphics

The Personal DECstation workstations come with built-in 1024x768, 8-plane color graphics suitable for a wide variety of graphics requirements. And that's standard on every system. But it doesn't stop there. For more intensive graphics applications, such as accelerated 2D and 3D graphics, there are six different graphics options available*.

Multimedia

One of the most exciting trends in desktop applications is multimedia, the capability to incorporate other media, such as audio and video, into your applications. With the inclusion of voice-quality speaker and audio in/out (standard with each system), the Personal DECstation Series is designed to give users the ability to develop and execute multimedia applications. Full motion video is also available through the TURBOchannel-based DECvideo option.



PC Affinity

While a number of PC applications now run on UNIX, many of your favorite applications may still only be available through DOS. With DEC SoftPC for ULTRIX, you can run thousands of shrink-wrapped PC applications on your Personal DECstation workstations. This means you maintain your investment in your PC applications and get the power of RISC computing, all while reducing the difficulties associated with moving to a new environment.

Digital's Lowest Price, Desktop Server

The DECsystem 5000/25 is an entry-level, general-purpose, RISC system designed for low-end commercial and technical environments. It is an ideal entry-level server for PCs and PC workgroups needing a file or database server, or as a low-end application compute/file server.

The Future is Built In

With technology advancing every day, it's important that your computer be able to meet your present needs as well as provide you the opportunity to incorporate new technologies in the future. The Personal DECstation Series and DECsystem 5000/25 are designed with just that in mind.

The Personal DECstation Series uses the MIPS® R3000A chipset and is available in two models today; the Personal DECstation 5000/20 (20 MHz CPU) and the Personal DECstation 5000/25 (25 MHz CPU). The DECsystem 5000/25 offers the same chipset and performance as the Personal DECstation 5000/25. In all three systems, the CPU is implemented on a removable, 3"x5" daughter card. With this method, you can upgrade your system as new, higher-performance CPUs are available -- including the R4000 CPU.

* For more information, see the Personal DECstation Series and DECsystem Technical Overview.

Typically, entry-level systems are bounded, so there's no means for system expansion. The Personal DECstation workstations and server come standard with the open TURBOchannel I/O interconnect. TURBOchannel has been adopted by the ACE (Advanced Computing Environment) initiative as part of the ARC (Advanced RISC Computing) specification. Each system provides two slots supporting a wide variety of options such as storage expansion, multiple networking interfaces, accelerated 2D and 3D graphics, and multimedia. And since TURBOchannel is open, new options continue to be developed both by Digital and third parties.

ACE Compatibility

The Personal DECstation workstations and DECsystem 5000/25 provide many of the key elements adopted by the ACE initiative, elements that are already part of Digital's RISC/UNIX strategy, such as:

- MIPS-based architecture for RISC computing
- Little-endian byte ordering
- OSF/1[®]-based UNIX[®] operating system with ULTRIX compatibility
- TURBOchannel interconnect

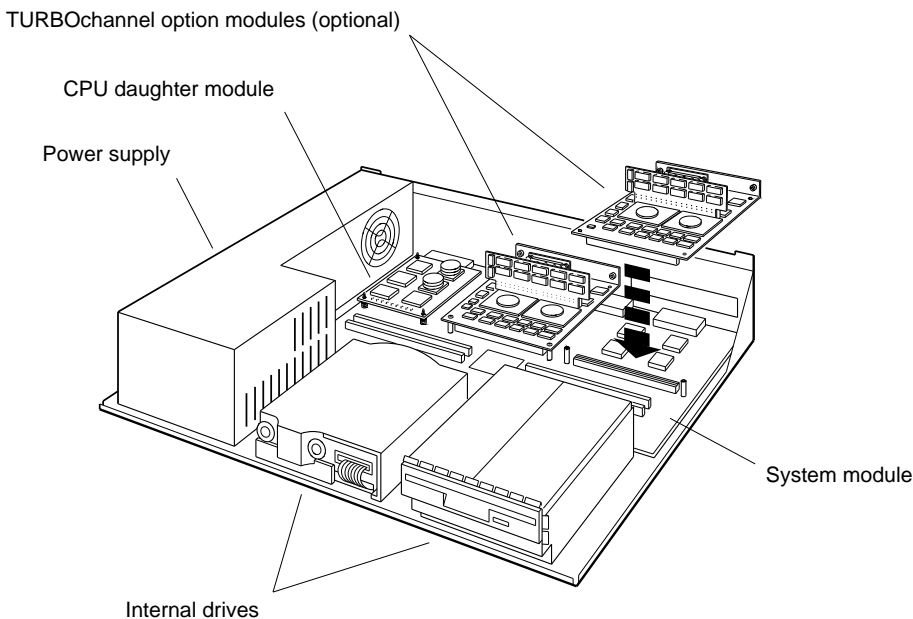
Since the Personal DECstation workstations and DECsystem 5000/25 system are ACE compatible today, they'll work with ACE-compliant systems in the future.

Software Environment

The Personal DECstation workstations and DECsystem 5000/25 run ULTRIX, the most complete and open UNIX environment in the industry. With ULTRIX, you have access to over 2800 workstation applications ranging from technical (such as CAD and CASE) to commercial (such as finance and banking) to personal productivity (such as desktop publishing and integrated office packages). And, all Personal DECstation workstations and DECsystem 5000/25 servers ordered with a disk come with factory-installed ULTRIX software.

Digital's DECstation workstation family all support DECwindows, based on the industry-standard X Window System, and Motif[®], the OSF[®] specification for an open graphical user interface. Both of these windowing systems provide superior user and application development environments.

For users unfamiliar with UNIX, managing files, data, and applications can be difficult. It's the addition of a desktop manager on the Personal DECstation workstations that simplifies managing your own system. By creating icons, a desktop manager allows you to handle your files and applications through a "point and click" method. This gives you the power of working in a multitasking environment without extensive knowledge of UNIX as a prerequisite. It's easy to learn, easy to use, and it lets you work the way you want to.



Highly-Flexible Networking

Connectivity and interoperability, application and data sharing. Distributed open networking with systems from different vendors. While this is the norm in workstation computing, it provides new and exciting possibilities for PC users. The Personal DECstation Series and DECsystem 5000/25 provide a full range of network options to meet your needs. Ethernet support is standard on all systems. So whether it's DECnet, TCP/IP, or NFS™, you're covered. And through TURBOchannel, you can have access to new technologies such as FDDI.

Outstanding Service From an Industry Leader

Digital delivers services for networking, training, and software support, offering greater system availability to provide greater user productivity. Digital's full-year product warranties let you choose the service level best suited to your unique needs and environments. Plus, you can tailor the support according to your needs. Whatever the service solution, you benefit from a single point of contact.

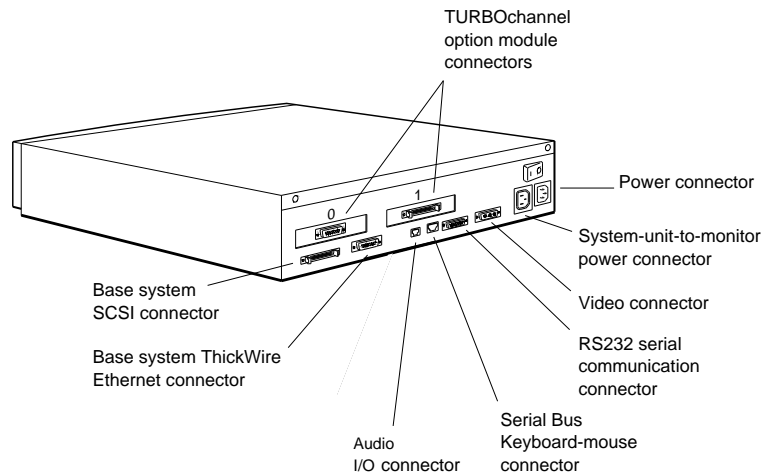
For More Information

For more information on the Personal DECstation 5000/20, Personal DECstation 5000/25, DECsystem 5000/25, the ACE initiative, or Digital's service offerings, contact your local Digital sales representative or authorized distributor.

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Storage

Internal Devices	RZ25: 426-Mbyte hard disk drive RZ24: 209-Mbyte hard disk drive RZ23L: 121-Mbyte hard disk drive RX26: 1.44/2.88-Mbyte 3.5-inch diskette drive (external for the DECsystem 5000/25)
External Devices	RZ58: 1.38-Gbyte hard disk drive RZ57: 1-Gbyte hard disk drive RZ56: 665-Mbyte hard disk drive TZK10: 525-Mbyte Quarter-Inch Cartridge tape TZ30: 95-Mbyte streaming tape drive TSZ05: 1600 BPI 9-track tape TLZ04: 1.2-Gbyte 4mm digital audio tape (DAT) TKZ08: 2.2-Gbyte 8mm helical scan tape RX33: 1.2-Mbyte 5.25-inch diskette drive RRD42: 600-Mbyte compact disc drive

Specifications	Personal DECstation 5000/20 and 5000/25	DECsystem 5000/25						
CPU/FPU	R3000A/R3010	R3000A/R3010						
Clock speed	20/25 MHz	25 MHz						
SPECmark	16.3/19.1	19.1						
MIPS (Dhrystone V1.1)	21.6/26.7	26.7						
FPU performance	2.4/2.8 double-precision	2.8 double-precision						
Linpack (MFLOPS)								
Graphics (on board)*	153,000/183,000 2D vectors/sec							
TURBOchannel	50 Mbytes/sec burst speed							
Cache	128 Kbytes of system cache: 64 Kbytes of data cache and 64 Kbytes of instruction cache							
SCSI bus	5 Mbytes/sec transfer rate							
Ethernet	10 Mbits/sec: thick wire standard, ThinWire and twisted pair optional							
FDDI	100 Mbits/sec							
Data types	Little-endian byte ordering IEEE-compatible floating point format							
Network Support	TCP/IP (standard) NFS (standard) DECnet (optional)							
<hr/> <p>* Other TURBOchannel graphics options include MX, HX, TX, PXG, PXG+, and PXG Turbo+.</p>								
Power Requirements								
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Display Monitors

16-inch color (VRC16)	Height: 43.2 cm (17.0 in); Width: 41.1 cm (16.2 in) Depth: 43.4 cm (17.1 in); Weight: 25.0 kg (55.0 lb)
17-inch monochrome (VRM17)	Height: 41.9 cm (16.5 in); Width: 40.6 cm (16.0 in) Depth: 37.3 cm (14.7 in); Weight: 16.8 kg (37.0 lb)
19-inch color Trinitron™ (VRT19)	Height: 47.5 cm (18.7 in); Width: 49.9 cm (19.7 in) Depth: 47.0 cm (18.5 in); Weight: 34.0 kg (75.0 lb)
16-inch color Trinitron (VRT16)	Height: 40.9 cm (16.1 in); Width: 40.6 cm (16.0 in) Depth: 45.3 cm (17.8 in); Weight: 25.0 kg (56.0 lb)
16-inch color Trinitron (VR297)	Height: 40.6 cm (16.0 in); Width: 40.6 cm (16.0 in) Depth: 45.1 cm (17.8 in); Weight: 29.0 kg (64.0 lb)
19-inch color (VR320)	Height: 45.7 cm (18.1 in); Width: 49.5 cm (19.5 in) Depth: 45.2 cm (17.8 in); Weight: 29.0 kg (64.0 lb)
19-inch monochrome (VR319)	Height: 45.7 cm (18.0 in); Width: 49.5 cm (19.5 in) Depth: 40.1 cm (15.8 in); Weight: 22.7 kg (50.0 lb)
Resolution	1024 x 768: VRC16, VRM17 1024 x 864: VR297 1280 x 1024: VRT19, VRT16, VR320, VR319
Refresh (noninterlaced)	72 Hz (VRC16, VRM17, VRT19-H, VRT16-H, VR320-D, VR319-D) 66 Hz (VRT19-D, VRT16-D, VR319-C) 60 Hz (VR297)

Input Devices

LK501 keyboard	105 sculptured keys, 20 special-function keys, built-in angle adjustment, customer-selectable routing
Mouse	VSXXX-BB, three button, 200 pulses per inch
Programmable Function Dial Box	8 individually programmable function dials with 360-degree rotation (256-bit resolution) arranged in 2 vertical rows of 4 dials
Lighted Programmable Function Keyboard	32 individually programmable function keys in 4-6-6-6-4 array