



AlphaStation 250 V96-1.0
For Posting on Integrated Repository Only—Do NOT post on Internet

Digital Systems and Options Catalog

Product Description

The AlphaStation 250 4/266 Workstation delivers premium performance and provides access to tens of thousands of applications running on Digital UNIX or Microsoft Windows NT Workstation systems.

The AlphaStation 250 4/266 uses the Alpha microprocessor 21064A processor running at 266 MHz with 2 Mbytes of onboard secondary cache. The CPU performance measures 198.6 SPECint92 and 262.5 SPECfp92.

The system is housed in a low-profile desktop with capacity for 512 Mbytes of parity memory, 128-bit wide memory bus, four storage slots, and three option slots (one PCI, one combination PCI/ISA and one ISA). The high performance PCI I/O bus, running at 132 Mbytes/second, provides expansion for options such as high-performance graphics, networking, and SCSI adapters. Lower performance options are supported on the ISA bus. The system supports a wide variety of industry-standard peripherals and PCI/ISA options. Other standard features include integrated Twisted Pair/ThinWire Ethernet, stereo-quality audio, and an array of external ports for serial/parallel communications, and external SCSI connector. This combination of standard features allows multiple in-box configurations without the need for additional tabletop options or expansion boxes.

Digital's Trade-In '96 program offers a cost-effective upgrade path for users of older workstations to the AlphaStation 250.

All AlphaStation 250 4/266 systems come with the best hardware warranty in the industry—a three-year warranty.

Digital 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, the DIGITAL logo are trademarks of Digital Equipment Corporation.

Printed in USA. Copyright 1996 Digital Equipment Corporation. All rights reserved.

Systems

- Digital UNIX systems include factory-installed software (FIS).
- Windows NT systems include Windows NT Workstation V3.5 media (CD-ROM), license, and documentation in shrink-wrapped package. Windows NT software media is distributed on CD-ROM only, selection of a CD-ROM drive is recommended.
- Windows NT systems require a graphics option and monitor to run all functions.
- All software updates are distributed on CD-ROM, selection of CD-ROM drive is required for first system on site.
- Options ordered will be factory installed unless specified as **spares**.
- Uninterruptable Power Supplies are available; see UPS Information following System Specifications.

AlphaStation 250 4/266 Desktop Systems include

- Alpha microprocessor 21064A 266-MHz CPU with 2 Mbyte on-board secondary cache
- Slimline desktop enclosure which includes:
 - Three expansion slots: One PCI, one combination PCI/ISA, and one ISA
 - Eight SIMM memory slots (two memory options)
 - Integrated PCI-based Fast SCSI-2 controller with Direct Memory Access and external SCSI-2 connector
 - Integrated high-performance Twisted Pair/ThinWire Ethernet
 - Integrated sound card
 - 210-watt power supply
 - Two serial ports, support full modem control
- One bi-directional enhanced parallel port
- Keyboard port and mouse port
- 1.44 Mbyte diskette drive
- Headphones, and microphone
- Hardware and Software warranties
- Hardware documentation
- Digital UNIX V3.2C 2-user base license, Digital Open3D license, Multimedia Services license, Digital NAS Client 150 license, and Communique! starter license,
or
- Windows NT Workstation V3.5 media kit, Communique! starter license and CD-ROM, Digital Light & Sound license and CD-ROM

Ordering menu that follows includes

- AlphaStation 250 4/266 Base Configurations

To configure a customized system, use Base Configuration menus. AlphaStation options are in a separate section.

Warranty Statement

AlphaStations are sold with specific warranty response times, hours of coverage, warranty duration, and a specific manner by which the warranty service will be delivered. Digital also makes available extended coverage offerings to uplift or extend the service coverage and/or response time: See Supplemental Services in AlphaStation Options section.

AlphaStation 250 4/266 BASE CONFIGURATIONS

Y=in base configuration; M=mandatory option; O=option

AlphaStation 250 4/266	Resources Used		Digital UNIX	Windows NT
Includes: (120V/240V)			PB46A-AA	PB46A-CA
CPU Alpha microprocessor	21064A 266-MHz	Y	Y	Y
Floppy Disk Drive 1.44 Mbyte	Dedicated bay	Y	Y	Y
CD-ROM 600 Mbyte	5.25" SCSI bay	Y	Y	Y
Ethernet, sound, headset, microphone, mouse		Y	Y	Y
Integration Service		Y	Y	Y
Operating system		Y	Y	Y
User Documentation - English		Y	Y	Y
Remaining available resources				
I/O slots PCI / ISA / combo (a)			1 / 1 / 1	1 / 1 / 1
Memory banks (b)			2	2
3.5 x 1" / 3.5 x 1.6" bays			1 / 1	1 / 1
SCSI-2 devices (c, d)			6	6
1. Country Options	Select		1	1
PS/2 style keyboard (e)		M	LK471-xx	LK471-xx
VMS / VT style keyboard (e)			LK461-xx	LK461-xx
Power Cord (f)		M	BNxxx-xx	BNxxx-xx
Note: LK471-AA and LK461-AA, English keyboards, include U.S. power cord, power cord does not need to be selected separately.				
2. Memory	Select		1 or 2	1 or 2
32-Mbyte	1 bank	M	MSP01-BA	MSP01-BA
64-Mbyte	1 bank	M	MSP01-BB	MSP01-BB
128-Mbyte	1 bank	M	MSP01-BC	MSP01-BC
256-Mbyte	1 bank	M	MSP01-BD	MSP01-BD
3. Hard drive	Select		1 or 2	1 or 2
1.05 Gbyte 5400 RPM	1" bay 1 SCSI	M	PBXRZ-EB	PBXRZ-EB
2.1 Gbyte 5400 RPM	1" bay 1 SCSI	M	PBXRZ-HB	PBXRZ-HB
2.1 Gbyte 7200 RPM	1" bay 1 SCSI	M	PBXRZ-JB	PBXRZ-JB
4.3 Gbyte 7200 RPM	1.6" bay 1 SCSI	M	PBXRZ-NA	PBXRZ-NA
4. Graphics	Select		1	1
ZLXp-E1 8-plane (g)	1 PCI slot	M	PBXGA-AA	PBXGA-AN
ZLXp-E2 24-plane (g)	1 PCI slot	M	PBXGA-BA	PBXGA-BN
ZLXp-E3 24-plane Z-buffer (g)	1 PCI slot	M	PBXGA-CA	PBXGA-CN
ZLXp-L1 24-plane (h)	1 PCI slot	M	PBXGC-AA	
ZLXp-L2 24-plane (h)	2 PCI slots	M	PBXGC-BA	
E&S Freedom Series 3150 3 Performance Modules 1-Mbyte texture memory	1 PCI slot	M	PBXGE-BB	
E&S Freedom Series 3250 5 Performance Modules 1-Mbyte texture memory	1 PCI slot	M	PBXGE-BD	
E&S Freedom Series 3400 8 Performance Modules 4-Mbyte texture memory	1 PCI slot	M	PBXGE-BG	
4a. E&S Graphics Memory Upgrade	Select			
4-Mbyte Texture memory module		O	PBXGE-CB	PBXGE-CB
16-Mbyte Texture memory module		O	PBXGE-CC	PBXGE-CC
5. Color Monitors	Select		1	1
17" Color Monitor NH/SH (j)		O	VRT17-PA/P4	VRT17-PA/P4
21" Color Monitor NH/SH (j)		O	VRC21-LA/P4	VRC21-LA/P4

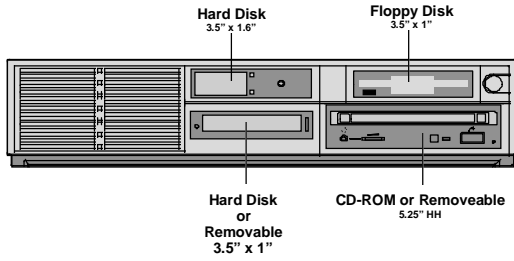
AlphaStation 250 4/266 BASE CONFIGURATIONS *continued*

Y=in base configuration; M=mandatory option; O=option

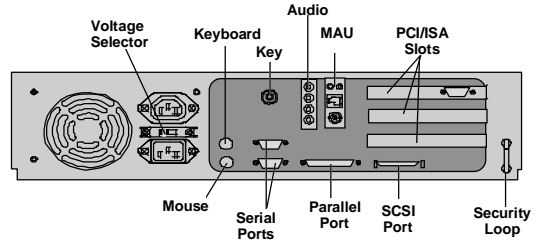
AlphaStation 250 4/266	Resources Used	Digital UNIX	Windows NT
Includes: (120V/240V)		PB46A-AA	PB46A-CA
6. Software Media and Documentation Kit			
Digital UNIX		O QA-MT4AA-H8	
7. Additional Options: See AlphaStation Options for a comprehensive list of qualified options (c)			

- (a) For PCI or ISA cards, check the availability of slots (initially 1 PCI, 1 PCI/ISA combination, 1 ISA).
- (b) Eight SIMM slots support two memory banks (4 SIMMs per bank). Memory banks can be mixed.
- (c) For more than 7 internal or external devices, a fast SCSI-2 controller, which supports 7 devices, is required.
- (d) Each external device requires a 3-foot SCSI-cable.
- (e) Select country-specific keyboard from AlphaStation Options section.
- (f) Select country-specific power cord from AlphaStation Options section.
- (g) Up to three ZLXp-Ex graphics options and three monitors are supported on Digital UNIX systems.
Any combination of ZLXp -E1, -E2 and -E3 graphics options supported. Options require DEC Open3D media which is included in factory installed software (FIS).
Dual screen support for Windows NT must be homogeneous (two ZLXp -E1, two -E2 or two -E3). Options include ZLXp-E Support Services Software license, media and documentation. 3D dual screen is not hardware accelerated for Windows NT.
- (h) One ZLXp-Lx graphics options supported per system; -Lx graphics cannot be mixed with any other graphics option.
- (i) E&S Freedom Series graphics are packaged in a deskside pedestal and connect to PCI interface card in AlphaStation system box by a 10 foot interface cable. Graphics options include graphics subsystem, PCI interface card, interface cable, and video cable for a VRC21-LA/P4 monitor. Country specific power cord is required for each Freedom Series graphics option. Texture memory module upgrades are available for E&S Freedom Series graphics.(h) Monitor include video cable and 120 V power cord, order country specific power cord for 240 V use from AlphaStation Options section.
- (j) Monitor includes video cable and 120V monitor power cord, order country specific power cord for 240V use from AlphaStation Options section.

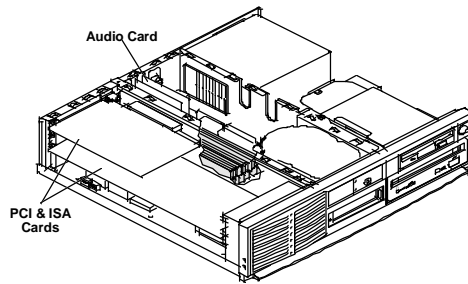
AlphaStation 250



Front



Rear



Internal

Specifications

PCI	132 Mbyte/second
Fast SCSI-2 bus	10 Mbyte/s transfer rate
Ethernet	10-Mbit/s Twisted Pair/Thin Wire standard

Power Requirements

Line voltage	120 V/240 V
Voltage tolerance	90-128 V / 190-256 V
Frequency single phase	50 Hz / 60 Hz
Frequency tolerance	47-63 Hz
Maximum running current	7.0A/3.3A with monitor 5.0A/2.3A without monitor

Maximum power consumption	180 W
---------------------------	-------

Operating Environment

Operating temperature	10° to 40° C (50° to 104° F)
Operating humidity	20% to 80% relative humidity
Maximum wet bulb	40° C (104° F)
Storage temperature	-20° C to 65° C (-4° F to 149° F)
Storage humidity	10% to 90% relative humidity
Maximum wet bulb	65° C (149° F)
Maximum altitude	
Operating	2,438 m (8,000 ft) maximum
Nonoperating	4,876 m (16,000 ft) maximum

Nonoperating shock	30G, 25 ms halfsine
--------------------	----------------------------

Physical Characteristics

	Pedestal
Height	10 cm (4 inches)
Width	43 cm (17 inches)
Depth	41 cm (16 inches)
Weight	11-14 kg (25-30lb)