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AlphaServer 8400

for Windows NT



The DIGITAL™ AlphaServer™ 8400 for Windows NT® redefines the concept of speed with Alpha™ microprocessing power — the fastest and most scalable Windows NT platform available today or in the near future. Rock-solid reliability and availability, and unmatched expansion capabilities, make this super-server a new industry benchmark.

FEATURES

Reliability and Availability

- 2GB to 28GB ECC memory.
- DIGITAL Clusters for Windows NT.
- Maximum of 85TB high-speed, Hot-Swap storage with 432GB capacity in up to 48 Hot-Swap bays.
- Support for multi-channel PCI RAID.

Manageability

- DIGITAL ServerWORKS™ suite of manageability tools for simplified installation and management of networked servers.
- User security with multilevel server security features.
- Windows NT 5.0-ready.

Performance

- Up to 14 Alpha 440MHz or 625MHz processors, 4MB L3 cache per processor.
- 1.87Gbps synchronous bus.
- Supports 64-bit VLM ECC memory up to 28GB.
- Integrated PCI Fast Ethernet and Ultra-Wide SCSI.

Scalability

- Up to 48 32-bit PCI channels (40 open slots).
- Up to 48 available drive bays.



Features

MODEL/PROCESSOR/SPEED

- DIGITAL™ AlphaServer™ 8400 for Windows NT® 440MHz Alpha™ processor 625MHz Alpha processor*

SYSTEM MEMORY

- 2GB VLM ECC standard, with support for up to 28GB VLM ECC

CACHE MEMORY

- On-chip:
 - I-cache: 8KB
 - D-cache: 8KB
 - L2 cache: 96KB
- Off-chip:
 - L3 cache: 4MB

GRAPHICS

- PowerStorm™ 3D30 2-D graphics adapter
- Supports 640 x 480 x 256 colors; 1280 x 1024 x 256 colors

SLOTS

- Up to 48 32-bit PCI slots (40 available)

BAYS

- 9 total (7 available) to 50 (48 available):
 - 1 3.5" front-accessible low-profile (1.44MB diskette drive installed)
 - 1 5.25" front-accessible half-height (12x CD-ROM drive installed)
 - 7 3.5" front-accessible Hot-Swap (expandable with 41 additional device bays)

EXTERNAL PORTS

- 1 enhanced parallel (ECP/EPP)
- 2 buffered 16550-compatible serial
- 1 SVGA graphics
- 1 keyboard
- 1 mouse
- FWD, Ultra-Wide SCSI port knockouts
- 1 10/100Base-T RJ45 connector

SCSI INTERFACE

- Integrated PCI SCSI controller

CERTIFIED OPERATING SYSTEMS

- Windows NT® Server Enterprise Edition

POWER SUPPLIES

- Two 2400W, 200-240V AC input, 48V DC 3-phase power regulators
- One optional redundant power supply

COOLING

- Large, low-RPM, high-volume fan
- Two redundant fans for main CPU fan backup

DIMENSIONS

- Height: 67.0" 170.0cm
- Width: 31.5" 80.0cm
- Depth: 34.4" 87.5cm
- Weight: 900 lb 408kg

MULTILEVEL SECURITY

- Chassis lock
- Power-on password
- Diskette drive boot control
- Multi-boot for choice of boot device
- Set-up password
- Supervisor password
- Diskette drive write control
- Flash ROM protection
- Hard and floppy disk read lock

MANAGEABILITY

- DIGITAL ServerMaker configuration tool
- DIGITAL ServerWORKS™ Manager, which includes ServerWORKS workgroup administrator, ServerWORKS Manager application and SNMP agents to manage Microsoft® Windows NT, SCO® UNIX®, Novell® NetWare® and IBM OS/2®
- Intelligent Server Management monitors critical subsystems

ENVIRONMENTAL EXCELLENCE

- Designed for upgradeability, long life, and recycling ease. Worldwide product take-back service.

REGULATORY CERTIFICATIONS

- FCC-A, CSA, CE-Mark, VCCI-1, UL-listed, CISPR-22 (class A), CB (Eastern Europe), C-TICK (Aus/NZ), CCIB (China), UL-classified to IEC 950

WARRANTY

- One-year, on-site, same-business-day response

Options

PROCESSOR UPGRADES

- Windows NT 5/440 SMP dual CPU add-on modules
- Windows NT 5/625 SMP dual CPU add-on modules

SYSTEM MEMORY

- 512MB, 1GB, 2GB and 4GB memory modules

HARD DISK DRIVES

- Ultra-Wide SCSI: 2.1GB, 4.3GB, 9GB

TAPE DRIVES

- QIC: 2GB SCSI
- DAT: 8GB SCSI, 32/64GB
- DLT: 20/40GB

SCSI ADAPTERS

- PCI Fast-Wide differential SCSI

NETWORK INTERFACE CARDS

- PCI Ethernet, PCI Fast Ethernet
- PCI FDDI

RAID CONTROLLERS

- PCI RAID—1-channel
- PCI RAID—3-channel
- Battery backup for RAID cache

POWER OPTIONS

- 48V DC redundant power regulator



DIGITAL CLUSTERING SOLUTIONS

- Support for Microsoft Cluster Server (NTS/E)
- Support for DIGITAL Clusters for Windows NT
- DIGITAL Enterprise Clusters for Windows NT—to expand capabilities of Microsoft Cluster Server
- Server Cluster Kits, which include storage array with RAID controllers: Ultra SCSI or Fibre Channel adapters, cables and terminators; network cards and cables; ServerWORKS management software

MONITORS

- 800 x 600 @ 85Hz, NI auto-sync: 14" (13.2"V), 15" (13.8"V)
- 1024 x 768 @ 85Hz, NI auto-sync, TCO'95: 15" (13.6"V), 17" (15.7"V), 17" (16.0"V)
- 1280 x 1024 @ 85Hz (1600 x 1200 @ 75Hz), NI auto-sync, TCO'95: 19" (18"V), 21" (19.6"V)

SUPPLEMENTAL SERVICES

- Upgrade service packs available including same-day, 4-hour, and 2-hour response

* 625MHz processor is clocked at 612.8MHz for AlphaServer 8400 applications.

For more information about DIGITAL products for Windows NT, call 1-800-722-9332 or visit us at www.windows.digital.com



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