digital

DIGITAL
Server 7300/7300R

The DIGITAL™ Server 7300/7300R surpasses all the func-tionality of today's midrange SMP servers and is a show-case of DIGITAL's unrivaled expertise in database technology, complex PCI-based SMP architectures, Windows NT® clustering, and advanced networking. The performance and capacity upgrade capabilities of the DIGITAL Server 7300/7300R provide a growth platform that will support development and migration through the next millennium.

FEATURES

Reliability and Availability

- Up to 8GB 64-bit VLM ECC memory.
- Support for the Microsoft® Cluster Server component of Windows NT Server/Enterprise Edition; DIGITAL Clusters for Windows NT.
- Up to 21 or 56 Hot-Swap bays.
- Support for multi-channel PCI RAID.

Manageability

- DIGITAL ServerWORKS™ suite of manageability tools for simplified installation and management of networked servers.
- Integrated Remote Server Management processor.

Performance

- Up to four 400MHz, 533MHz, or 600MHz 64-bit Alpha™ processors with up to 8MB of L3 cache per processor.
- 1GB/sec synchronous bus with eight backplane slots.
- Two 64-bit PCI channels for high-bandwidth I/O.

Scalability

- Eight 64-bit PCI expansion slots with full 32-bit adapter compatibility.
- Up to 21 available drive bays (up to 56 available in rack models).
- Processor upgrades ensure easy growth path for future requirements.

d i g i t a l

Features

MODEL/PROCESSOR/SPEED
- DIGITAL™ Server 7300/7300R
  400MHz Alpha™ processor
- DIGITAL Server 7305/7305R
  533MHz Alpha processor
- DIGITAL Server 7310/7310R
  600MHz Alpha processor

SYSTEM MEMORY
- 128MB ECC SDRAM standard, with support for
  up to 8GB

CACHE MEMORY
- On-chip:
  - I-cache: 8KB
  - D-cache: 8KB
  - L2 cache: 96KB
- Off-chip:
  - L3 cache: 4MB (400/533); 8MB (600)

SLOTS
- 8 total (5 PCI, 3 PCI/EISA)

BAYS
Pedestal:
- 9 to 23 total:
  - 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 5.25" Hot-Swap (expandable with 2 additional
    Ultra-Wide SCSI shelves; each shelf has 7
    Hot-Swap bays)

Rack:
- 9 to 58 total:
  - 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 5.25" Hot-Swap (expandable with 7 additional
    Ultra-Wide SCSI shelves; each shelf has 7
    Hot-Swap bays)

EXTERNAL PORTS
- 1 enhanced parallel (ECP/EPP)
- 2 buffered 16550-compatible serial
- 1 SVGA graphics
- 1 keyboard
- 1 mouse

GRAPHICS
- Embedded S3™ Trio PCI graphics controller with 1MB
  VRAM standard
- Supports 800 x 600 x 16M colors; 1024 x 768 x 256
  colors

SCSI INTERFACE
- Integrated 2-channel PCI Ultra-Wide SCSI controller

NETWORKING
- Embedded PCI Fast Ethernet 10/100 for 10Base-T

CERTIFIED OPERATING SYSTEMS
- Windows NT® Server 4.0, Windows NT Server
  4.0/Enterprise Edition

POWER SUPPLY
- One standard 450W autosensing, self-switching
- 110/220V (5V/3.3V output)
- Two optional redundant N+1 power supplies

DIMENSIONS
- Pedestal
Height:	29.5"	75cm
Width:	19.3"	49cm
Depth:	35.4"	90cm
Weight:	250 lb	113.6kg
- Rack
Height:	67.0"	170cm
Width:	23.6"	60cm
Depth:	35.4"	90cm
Weight:	932 lb	423.6kg

MULTILEVEL SECURITY
- Chassis lock
- Power-on, set-up, and supervisor passwords
- Diskette drive boot control
- Multi-boot for choice of boot device
- 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
- Intelligent Server Management monitors critical
  subsystems
- Integrated remote systems management processor

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

REGULATORY CERTIFICATIONS
- UL-listed to UL1950 (2nd edition); CSA certified to
  CAN/CSA-C22.2 No. 950-M89; TUV EN 60950; VDE
  0805; GS-marked ZH1/618; FCC 15J Part 15, Class
  B-verified; CE Class B-verified; VCCI Class II ITE; AS
  3260 Australian standard; SS 436 14 50 Swedish
  standard; NZS 6661:1998 New Zealand standard; EN 60
  950:1992 European norm; IEC 950 (2nd edition)

WARRANTY
- Three-year, on-site, next-business-day response

Options

PROCESSOR UPGRADES
- 400MHz, 533MHz, and 600MHz processor upgrades from
  single through quad processors and from
  400MHz through 600MHz

SYSTEM MEMORY
- 128MB, 512MB, 1GB, and 2GB ECC SDRAM
  upgrade kits

STORAGE DRIVES
- 3.5": 1.44MB diskette drive
- 5.25" 12x SCSI CD-ROM drive
- Ultra-Wide SCSI SBB hard disk drives: 2GB, 4GB,
  9GB, 18GB
- QIC tape drive: 2.5/5GB SCSI
- DAT tape drive: 4/8GB, 12/24GB SCSI
- DLT tape drive: 15/30GB, 35/70GB SCSI

SCSI ADAPTERS
- Adaptec PCI 2940UW Ultra-Wide SCSI-3
- Adaptec PCI 3940UW Ultra-Wide SCSI-3

Pedestal   Rack

SCSI ADAPTERS (CON'T.)
- Adaptec PCI 2944UW differential Ultra-Wide SCSI-3
- IntraServer PCI ITI-4280UE Ultra-Wide/Fast Ethernet
  combo

RAID CONTROLLERS
- PCI RAID—1-channel
- PCI RAID—3-channel
- PCI RAID—Cache battery backup

NETWORK INTERFACE CARDS
- PCI Ethernet, PCI Fast Ethernet
- PCI FDDI
- Token ring

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, TCO95:
  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)

COUNTRY ACCESSORY KIT
- Keyboard, mouse, power cord, and documentation

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

Designed for
Microsoft®
Windows NT®

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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