

NCR WorldMark™ 4300 Rack

Rack-Mounted Solution for the Divisional/Departmental Server Arena

Expanding the WorldMark 4300 offering, the Rack Mount solution meets the needs of customers challenged with space constraints, flexibility and accessibility.

NCR realizes that today's large Corporate Data Centers are searching for centralized communications and more efficient use of space. Likewise, server rooms are becoming so cluttered with multiple server applications that rack mount solutions have become a great aid in organizing and maintaining efficiency in your computing environment.

Perfect for LAN consolidation or departmental data marts, NCR's 4300 Rack packs powerful performance into a small footprint. Key benefits include its provision of up to four 4300 CPU's in a single cabinet; its extension of limited space; better cable management; increased user accessibility of components; and easier server management.

The new server provides the functionality of the current deskside WorldMark 4300 in a convenient rack mount cabinet, offering Pentium Pro symmetric multiprocessing (SMP) and PCI I/O to provide unparalleled reliability, availability, and serviceability (RAS), investment protection, scalability, and price/performance for the departmental server segment.



Features

Benefits

Support for 1-4 Intel® Pentium Pro Processors

Performance, scalable processing power and growth

N+1 redundant hot pluggable power supplies and hot pluggable disk drives and server management processor

Minimal downtime with on-line replacement of disk and power supplies, better serviceability

Full power fail recovery

Increased productivity by returning users to original state of application

Support for UNIX® and Windows NT® operating systems

Investment protection and system flexibility

Configuration flexibility

Configure or cluster multiple computing nodes and disk arrays in a single rack cabinet. Can grow within a cabinet or across numerous cabinets.

Economy of space

Maximize use of floor space through the use of rack-mounted computing nodes, disk arrays, and power subsystems.



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Specifications

Processor:

- Physical dimensions of NCR 4300 Rack computing node:
 - Height: 41 cm (16 in.) or 9U
 - Width: 48.5 cm (19 in.)
 - Depth: 74 cm (29 in.)
 - Weight: 50 kg (100 lbs.)
- Voltage Range: 110 to 240 VAC
- Compliance with U.S. and international safety and emissions standards.

System Scalability

Processors:

- Up to 4 computing nodes per rack
 - 1 – 4 Pentium Pro Processors per node
 - 166 MHz with 512KB cache per CPU
 - 200 MHz with 512KB cache per CPU
 - 200 MHz with 1MB cache per CPU*
 - 533MB/second bandwidth

Memory:

- From 32MB to 4GB Error Checking and Correcting (ECC) memory (per node) with 4 way interleaving
- Upgradeable to 4GB w/DIMM support

I/O:

- Dual PCI buses at 132MB/second each
- EISA at 33MB/second
- 6 PCI full-size slots
- 4 EISA full-size slots
- Dual channel PCI array controller

- Ultra fast/wide dual and quad channel PCI SCSI controllers
- Dual on-board SCSI channels

Internal Backup Devices

- 10 drive bays
 - One 3.5" flex drive
 - Three 5.25" removable media bays
 - Six 3.5" hot-pluggable (SCA) disk bays
- Disks: 2GB, 4GB and 9GB
- Up to 54GB total storage
- Support for:
 - 1GB QIC tape
 - 4/8GB DAT Tape
 - 7/14GB and 20/40GB 8mm tape
 - 15/30GB and 20/40GB DLT

External Data Storage and Backup Devices

- Symbios 6210, 6299, 6256, 6250, and Series 4 RAID Subsystems
- Symbios 6091 Tape Subsystems
- EMC 6271, 6272, 6275 I.C.D.A. Subsystems
- NCR 6400 Robotic Tape Library

Operating Environment

- Supported Operating System
 - Microsoft® Windows NT® Advanced Server
 - NCR UNIX SVR4™ MP-RAS
- Supported Databases
 - Informix®
 - Informix OnLine Dynamix Server
 - Informix XPS (future)
 - Microsoft SQL Server
 - Oracle®
 - Oracle Parallel Server and Distributed Lock Manager

- PeopleSoft®
- SAP
- Sybase®
- Internet Web Server Software bundled with Microsoft IIS – NT Netscape FastTrack for NT & UNIX

Connectivity

- Up to 10 LAN and 20 WAN connections
- PCI and EISA 10baseT and 100baseT Ethernet adapters
- PCI dual Ethernet adapter
- PCI and EISA Token Rings adapters
- PCI ATM and FDDI adapters
- PCI and ISA Wide Area Network adapters
- PCI and ISA TTY adapters

High Availability

- Dedicated service modem (28.8Kb)
- N+1 redundant power supplies
- Redundant fans
- Hot pluggable disks, power supplies, Server Management processor
- Internal UPS and full power fail recovery
- Diagnostic partition
- LifeKeeper® FRS Clusters
- Optional SMP Clusters
- Optional internal and external RAID, redundant external RAID controllers

Global Support

- 20,000 service personnel, 1,100 service locations, 130 countries
- 24 hours x 365 days availability
- Dedicated Service Modem (28.8Kb) available to facilitate remote support

*Available 3Q97

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SP-6393 0597 <http://www.ncr.com>

