

# NCR WorldMark 4400 Server

Mid-Range Server for Departmental Computing and Scalable Data Warehousing

*The WorldMark 4400 delivers outstanding performance, scalability and availability in a midrange SMP server, making it the ideal server to meet departmental computing and Scalable Data Warehousing requirements.*

NCR's built-in high availability components and value-add software make the WorldMark 4400 an exceptional file, LAN, and application server for meeting your business-critical needs.

The WorldMark 4400 offers outstanding availability, reliability and serviceability with such features as hot-pluggable and redundant power supplies, hot-pluggable hard disk drives, redundant fans, and RAID expansion. For exceptional performance and scalability, the WorldMark 4400 is expandable to four Intel Pentium® II Xeon™ processors starting at 400 MHz/512KB cache. To further enhance these high availability features, Intel's Integrated Server Control and NCR Server Manager offer early system monitoring and alerting for enhanced system manageability.

The NCR WorldMark 4400 is backed by NCR's world-class service and support organization, delivering the dependability, performance and peace of mind you need in your business.



## Features

## Benefits

Support for 1-4 Pentium® II Xeon™ processors

Latest generation of Intel processors for exceptional performance and scalability

Choice of 400-450 (4Q 98) MHz processors and choice of 512KB, 1MB or 2MB L2 cache sizes

Range of price/performance choices for flexibility in meeting end-user requirements

Enterprise class levels of availability with redundant and hot-pluggable fans and power supplies, hot-pluggable hard disk drives and RAID expansion

Supplies high availability to minimize downtime for scheduled maintenance or in the unlikely event of a component failure

Support for Microsoft Windows NTS 4.0, Sun Solaris and NCR's UNIX MP-RAS

Investment protection through choice of operating systems



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## System Scalability

### Processors

- 1 to 4 Pentium® II Xeon™ processors
- 400 MHz with 512KB cache per CPU
- 400 MHz with 1MB cache per CPU
- 100 MHz Front Side Bus (FSB)
- 800 MB/second bandwidth scaling up to 1,050 MB/second
- 2 x 400MB/second IO bus
- From 256MB to 8GB Error Checking and Correcting (ECC) EDO memory with 4-way interleaving
- 2MB Integrated SVGA video

### I/O

- 2 32-bit PCI buses
- 1 64-bit PCI bus
- 5 32-bit PCI slots, 5 64-bit PCI slots
- 1 ISA/PCI shared slot
- Ultra fast/wide dual and quad channel PCI SCSI controllers
- Single onboard ultra wide SCSI channel

### Internal Backup Devices and Storage

- 16 drive bays
  - One 3.5" flex drive
  - Three 5.25" removable media bays
  - Twelve 3.5" hot-pluggable (SCA) disk bays
- Disks: 4GB, 9GB, 18GB
- Up to 218GB total storage
- I<sup>2</sup>O Compliant
- Support for:
  - 4/8GB DAT tape
  - 7/14GB and 20/40GB 8mm tape
  - 12/24GB DAT DDS-3

### External Data Storage

- Symbios 6282 and 6285 RAID Subsystems
- EMC Symmetrix Subsystems
- NCR 6400 Class Robotic Tape Libraries.

### Connectivity

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

## High Availability

- Dedicated service modem
- N+1 redundant power supplies (4 max)
- Hot-pluggable disks, power supplies
- External UPS and full power fail recovery
- Diagnostic partition
- Optional internal and external RAID, redundant external RAID controllers
- LifeKeeper FRS Clusters
- Integrated Intelligent Platform Management (IPMI) compliance

## Specifications

- Physical dimensions
  - Height: 69.8 cm (27.5 in)
  - Width: 43.2 cm (17 in)
  - Depth: 71.1 cm (28 in)
  - Weight: 101.7 kg (224 lb.) fully configured

- Up to four 420 watt power supplies
- Voltage range: 110 VAC
- Compliance with U. S. and international safety and emissions standards

## Operating Environment

- Supported operating systems
  - Microsoft Windows NT Server
  - NCR UNIX SVR4 MP-RAS
  - Solaris
- Supported databases/applications
  - Informix®
  - Informix OnLine Dynamic Server
  - Informix XPS (future)
  - Oracle®
  - PeopleSoft®
  - SAP
  - Microsoft® SQL Server™ 6.5
  - Microsoft SQL Server 7.0

## Global Support

- 20,000 service personnel, 1,100 service locations, 120 countries
- 24 hours x 365 days availability
- Upgradeable to 4 hour response
- Dedicated Service Modem (28.8Kb) available to facilitate remote support

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