



# NCR RealPOS™ 80<sub>XRT</sub> POS Workstation

The **Most Powerful**  
**POS Workstation**  
in the World



- Extreme Retail Technology
- Exceptional Configuration Flexibility
- Enhanced Manageability

The NCR RealPOS 80<sub>XRT</sub> delivers extreme retail technology for today's dynamic retail environment. This advanced system provides the ideal platform to extend point-of-sale capabilities to include critical store operation functions and customer-centric applications that enhance the shopping experience.

## Next Generation Architecture

Featuring a next generation architecture with support for Intel® vPro™ technology, the NCR RealPOS 80<sub>XRT</sub> delivers industry-leading power, scalability and systems management capabilities to the point-of-service. With single-core and dual-core processor options, high-speed Gigabit Ethernet, SATA hard drives, and support for up to 8GB of DDR2 memory, the NCR RealPOS 80<sub>XRT</sub> is designed to grow with your business and protect your systems investment. In addition, utilizing Intel® Active Management Technology (Intel® AMT), the NCR RealPOS 80<sub>XRT</sub> includes built-in manageability to increase uptime and help drive down your total cost of ownership.

## Extreme Performance and Scalability

Providing extreme performance and scalability, the NCR RealPOS 80<sub>XRT</sub> supports an impressive range of 64-bit

enabled processors, including the Intel® Celeron® D, Intel® Pentium® 4, and Intel's next generation dual-core processor, the Intel® Core™2 Duo. The exceptional scalability of the NCR RealPOS 80<sub>XRT</sub> allows you to select the performance level that is right for your business, while providing a simple migration path to dual-core computing without changing the underlying motherboard technology or software environment.



*NCR RealPOS 80<sub>XRT</sub>  
Xtreme Retail Technology*



## Exceptional Configuration Flexibility

The versatile NCR RealPOS 80<sub>XRT</sub> provides extensive configuration options to customize your POS solution. Features include support for distributed and integrated point-of-sale environments, multiple color choices, and a complete family of retail peripherals including the NCR DynaKey, advanced touch-screen interfaces and NCR's new two-sided multi-function printer.

While compact in size, the NCR RealPOS 80<sub>XRT</sub> is designed to provide maximum expandability to accommodate current and future needs. PCI and PCI Express expansion slots allow you to deploy new capabilities such as the latest wireless technology. The NCR RealPOS 80<sub>XRT</sub> also supports a variety of storage options including dual SATA hard drives with onboard RAID (Redundant Array of Independent Disks), delivering excellent performance and data redundancy.

## Optimized Retail Connectivity

The NCR RealPOS 80<sub>XRT</sub> provides exceptional connectivity for dynamic retail markets. Modular FlexPort I/O configurability helps protect your investment in legacy serial devices while supporting a new generation of USB peripherals and DVI-based displays. High-speed Gigabit Ethernet provides increased networking bandwidth to deliver multimedia content to the point-of-service, speed access to databases and facilitate quick and easy software updates.

## Superior Reliability and Serviceability

Reliable and secure, the NCR RealPOS 80<sub>XRT</sub> is built to withstand the demands of harsh retail environments and provide years of dependable operation. In addition, the NCR RealPOS 80<sub>XRT</sub> is designed for ease of service, with components that are readily accessible for repairs and upgrades. Enhanced local diagnostics with LED dashboard alerts users of system-level error conditions to isolate and

Based on the revolutionary Intel® Core™ Microarchitecture, Intel® Core™2 Duo processors are designed to deliver powerful energy-efficient performance to execute more tasks at once without slowing down. Adding cores to a processor allows application instructions to run in parallel rather than serially through a single processor. More tasks can be executed faster, like adding a lane on a highway to relieve traffic congestion.

## Enhanced Customer Experience

Optimized for business innovation, the NCR RealPOS 80<sub>XRT</sub> allows you to implement exciting new applications to enhance the consumer experience and improve operational efficiency. Designed for graphics-intensive customer interaction, the NCR RealPOS 80<sub>XRT</sub> provides incredible power for multimedia promotions, advertising, loyalty and Customer Relationship Management (CRM) applications.

The NCR RealPOS 80<sub>XRT</sub> also enables new capabilities to empower employees and increase productivity - with improved associate tools, multimedia training, real-time visibility to information, and the ability to manage multiple store operation applications without slowing down mission-critical transaction processing .

resolve problems more efficiently. These serviceability innovations minimize system downtime for superior terminal availability.

## Enhanced Manageability

The NCR RealPOS 80<sub>XRT</sub> features Intel® Active Management Technology (Intel® AMT), bringing new value to the POS workstation with remote management techniques that have previously only existed on servers. Intel AMT is a hardware-assisted technology that enables remote management of distributed systems regardless of system state. With out-of-band management capabilities, Intel AMT allows remote problem diagnosis, updates and repairs, even when the operating system is not functioning or the workstation is turned off.

The NCR RealPOS family of products also supports NCR Retail Systems Manager (RSM), a remote monitoring and

management software solution for retail technology. With RSM, you can realize higher system availability while lowering the overall cost of support. Integrating Intel's AMT technology with RSM continues NCR's commitment to making NCR solutions the most supportable in the world.

## Proven Industry Partner

With over 120 years of real world retail experience, NCR is a trusted partner with a proven track record of providing comprehensive, innovative solutions. NCR's global professional consulting and customer services team can help protect your investment, with a complete portfolio of consulting, development, integration, maintenance and support services.

For more information, visit [www.ncr.com](http://www.ncr.com), call 866.431.7879, or e-mail [retail.contactus@ncr.com](mailto:retail.contactus@ncr.com).

## Technical Specifications

### PROCESSOR

- Intel® Core™2 Duo processor E6400 (1066MHz FSB)
- Intel® Pentium® 4 processor 651 (3.4 GHz) (800MHz FSB)
- Intel® Celeron® D processor 352 (3.2 GHz) (533MHz FSB)

### MOTHERBOARD

- Intel® EmbeddedATX Plus form factor
- Intel® Q965 Express chipset
- Serial ATA 3 Gb/s disk interface
- Intel Graphics Media Accelerator 3000

### MEMORY

- 512MB up to 8GB system memory
- Dual Channel DDR2 (533 MHz or higher)
- 4 DIMM sockets
- Up to 256MB video memory (shared)

### STORAGE MEDIA

- Hard Disk Drive:
  - 80GB SATA, 7200 rpm
  - Onboard RAID, with second hard drive option
  - Quick Swap SATA Dock with secure, tool-free front access to both hard disk drives
- Internal 24x CD-RW/ 8x DVD-ROM drive option
- Solid-state USB flash disk option

### EXPANSION

- PCI Slots:
  - 1 PCI slot, full-height
  - 1 PCI Express x1 slot, full-height

### CONNECTIVITY

- USB ports:
  - 8 total, expandable to 10
  - 5 Powered USB (12V), expandable to 7
  - 1 Powered USB (24V printer)
  - 2 PC USB (5V)
- RS-232 Ports:
  - 2 standard (0/12V)
  - Additional 2 optional (0/5/12V)
  - Up to 8 total via optional PCI card
- Parallel Port
- PS/2 Keyboard Port
- PS/2 Mouse Port
- Cash Drawer Port
- 10/100/1000 Mb (Gigabit) Ethernet LAN
- Audio Ports:
  - Amplified speaker port
  - Line out
  - Microphone
  - Front headphone jack

# NCR RealPOS 80<sub>XRT</sub>

## POS Workstation



- Video Interfaces:
  - Onboard VGA and DVI
  - Dual independent display support standard

### OPERATING SYSTEMS

- Windows XP Professional
- Windows XP Embedded
- Windows Embedded for Point-of-Service (WePOS)
- Windows Vista (future)
- SuSE Linux Enterprise for Retail

### COLOR OPTIONS

- Beige
- Charcoal gray

### DIMENSIONS

- Compact Modular (W x D x H):
  - 33.93 x 39.37 x 11.58 cm
  - 13.36 x 15.5 x 4.56 inches
- Full Size Integrated (W x D x H excluding peripherals):
  - 44.2 x 47.5 x 12.45 cm
  - 17.4 x 18.7 x 4.9 inches

### POWER MANAGEMENT

- High-capacity PowerPlus internal power supply
- Internal UPS battery option (select models)
- ACPI 3.0 compliant

### COMPLIANT STANDARDS

- RoHS, WEEE

### SYSTEMS MANAGEMENT

- PXE network boot
- Wake on LAN
- Intel Active Management Technology (Intel®AMT)
- NCR Retail Systems Manager (RSM)

### PERIPHERALS

- Printers:
  - NCR RealPOS 7167 Multi-Function Printer
  - NCR RealPOS 7168 Two-Sided Multi-Function Printer
  - NCR RealPOS 7197 Thermal Receipt Printer
  - NCR RealPOS 7198 Two-Sided Thermal Receipt Printer
- Displays:
  - NCR RealPOS 5954 15" DynaKey
  - NCR RealPOS 5964 12.1" and 15" LCD Touchscreen
  - NCR RealPOS 5942 12.1" and 15" LCD Display
  - NCR RealPOS 5982 6.5" LCD Display
  - NCR RealPOS 5972 2x20 LCD Display
  - NCR RealPOS 5975 2x20 and Graphical VFD Display
- Retail Keyboards:
  - NCR RealPOS 5932 64-Key POS Keyboard
  - NCR RealPOS 5932 POS/Alphanumeric Keyboard
  - NCR RealPOS 5932 78-Key POS Keyboard
  - NCR RealPOS 5932 Compact POS/Alphanumeric Keyboard
- Cash Drawers:
  - NCR RealPOS 2182 Compact Cash Drawer
  - NCR RealPOS 2186 Mid-Range Cash Drawer
  - NCR RealPOS 2181 Full-Size Cash Drawer
- Scanners:
  - NCR RealScan 72 Bi-Optic Scanner/Scale
  - NCR RealScan 76 Bi-Optic Scanner/Scale
  - NCR RealScan 83 Convertible Scanner
  - NCR RealScan 92 Bi-Modal Presentation Scanner
  - Linear Imaging Hand Held Scanner
  - Area Imaging Hand Held Scanner
- Payment Devices:
  - NCR 5945 Electronic Payment Terminal
  - NCR 5992 Signature Capture Plus
  - NCR 5993 Advanced Payment Terminal

NCR continually improves products as new technologies and components become available. NCR, therefore, reserves the right to change specifications without prior notice.

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