



NCR CX8

Exceptional performance and durability in a compact modular POS system

The latest Intel 9th gen processors drive this outstanding new modular terminal to surpass your most demanding environments — and expectations

NCR's CX8 POS Terminal combines the latest Intel® 9th generation Core™ processor technology with elite versatility and security. Don't let its small size and compact footprint fool you: It's the most powerful POS modular terminal in its class, with the stubborn toughness to give you years of lightning performance, low-cost operation and future-proofed flexibility to adapt to ever-changing retail demands.

To precisely fit your current and future requirements, you can start by choosing from multiple Intel CPU options. Then the CX8 adapts to your precise needs with additional choices for memory, operating systems, single or a dual solid-state drives (SSD) with support for M.2 SATA, NVMe and RAID — plus a full range of powered USB and serial I/O ports.

Key features

- Compact, ruggedized modular retail terminal with choice of front or rear-mounted I/O panels
- High performance with Intel's Q370 Chipset and 9th gen Intel Core Processor family
- Multiple solid-state drive (SSD) storage choices and RAID support
- Secure powered USB, powered serial, USB type C and Display Port peripheral I/O connections
- Outstanding service features including quick-access housing, on-board odometers and image recovery button
- Advanced systems management capabilities with NCR Digital Connected Services

To speak with someone or for more information, visit us at [ncr.com/retail](https://www.ncr.com/retail).





Unmatched versatility and simplicity

Up to 50% smaller than traditional POS terminals in its class, the NCR CX8 will fit the tightest checkstand spaces — or use the alternate wall-mounting option. Its Display Port and USB type C interface support cleans up cable routing issues to enhance the good looks of your displays and countertop hardware, giving a sleek and uncluttered quality to your shoppers' checkout experiences.

And under the counter? More versatility: Your CX8 can locate the I/O ports on the traditional rear panel, but this terminal's unique design can also position these connections on the front instead. This choice simplifies and optimizes your cable routing and makes access easy. But whether you choose front or back, the terminal's extensive 16-19 ports and interfaces — driving three simultaneous displays — gives you outstanding flexibility to support a long list of legacy and future peripherals.

The CX8 couples this superb design with best-in-class performance driven by Intel's latest and most powerful generation of CPUs. Its exceptional versatility, ruggedness and unsurpassed data security delivers the key requirements to withstand today's high-risk interconnected world.

And you will immediately recognize how the CX8's form, materials and flexibility testify to NCR's 135 years of global experience.

The result: NCR's top-of-the-line modular terminal with the outstanding capacity, flexibility and power to deliver you more than anything else in the market. Paired with NCR's software or your own homegrown applications, the CX8 can anchor almost any point-of-sale technology stack — plus those that no one has imagined yet.

Engineered for demanding retail environments...

The CX8 carries forward NCR's rich heritage of innovation, adaptability, unrelenting toughness and sheer capability. Its potent performance and ultimate flexibility will uniquely serve your business deep into your planned — and your yet-to-be-planned — future.

NCR spared no effort in building our new flagship modular terminal, and from the ground up the CX8 was purpose-built to handle the rigors of retail. Its interior layout and air flows were engineered to prevent dust and contaminant buildup or hot spots that might lead to compromised performance or failures. All materials — down to component level — have been carefully chosen for long life cycles and reliability.

...then thriving in those environments

Sometimes it's all about crucial fine points that others don't always consider. The CX8 uses improved locking connectors and cables that eliminate almost all failures from intermittent connections. Meanwhile, the terminal's on-board odometers help maximize up-time by proactively monitoring activity and supporting actual failure-prevention operations.

The CX8 also features image recovery, which maintains a copy of your operation's preferred "gold" terminal image. So in case of software corruption, application file damage or even Windows® "blue-screen" events, the CX8 quickly restores your backup image with the touch of a button.

Then to prove it all, the CX8 was subjected to NCR's severe battery of environmental, ESD, power, electromagnetic radiation and reliability tests.

Like all NCR terminals, the CX8 was also subjected to platform integration testing in multiple operating system environments. And then there's system-level testing with NCR peripherals to ensure optimum POS system performance overall.

Combining all these exacting requirements with further long-run environmental and compatibility testing exceeds the usual industry and regulatory standards, but it leads to your CX8 terminals delivering years and years of dependable operation.

Intel Active Management Technology is available with VPro® CPU models to enable monitoring, upgrades, and some software fixes from a remote support center. And if on-premise service is ever needed, the CX8's enclosure and I/O cabling layout provide quick and simple access that reduces turnaround times to a bare minimum.

The point of all this: You successfully achieve or exceed your CX8 ROI expectations across your entire estate.



In a nutshell

The CX8 is fast, flexible and relentlessly reliable. It saves space and it saves money. You will find it to be an outstanding choice for any modular retail checkout environment. Combine it with NCR's extensive family of displays, printers, scanner/scales, cash drawers and retail peripherals for a complete POS solution customized to meet your own unique requirements.

Technical specifications

Physical specifications

- HEIGHT 3.23" (82,1mm)
- WIDTH 10.01" (254,4mm)
- DEPTH 7.96" (202,4mm)
- WEIGHT (approx.) 7.0lb (3,18kg)

Processors (gen 9)

- Intel Core i5 - 9500TE vPro
- Intel Core i3 - 9100TE
- Intel Celeron® G4900T

Motherboard technology

- Intel Q370 chipset ("Coffee Lake")

Memory

- DDR4-2400
- 2 slots; 32GB maximum

Storage options

- Single/Dual 120GB M.2 SATA SSD
- Single/Dual 240GB/480GB M.2 NVMe SSD
- RAID option

Operating systems

- Windows 10 IoT Enterprise 2019 LTSC
- Linux SLES 15 or later
- NCR LinuxC (CentOS-based)

Connections

- 12 USB ports
- 3 x 12V powered USB (standard)
- 3 x 12V additional powered USB (optional)
- 1 x 24V Powered USB (printer)
- 2 x USB 3.0
- 2 x USB 2.0
- 1 x USB type C
- 2 x Powered serial/RS-232 (DB9)
- 2 x Display Port
- 1 x 12V/24V cash drawer port with dual drawer support
- Audio port (amplified)
- 10/100/1000MB (Gigabit) Ethernet LAN

Systems management

- NCR Digital Connected Services
- Image recovery button
- PXE network boot
- Wake-on-LAN
- Intel vPro technology (with Core i5 vPro)
- Intel Standard Manageability (with Core i3)

Integrated wireless (optional)

- 802.11 AC
- Bluetooth®

Why NCR?

NCR Corporation (NYSE: NCR) is a leading software and services-led enterprise provider in the financial, retail, hospitality, small business and telecom and technology industries. We run key aspects of our clients' business so they can focus on what they do best.

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