

NCR S500-SF

ENHANCED, EFFICIENT TECHNOLOGY

NCR'S S500-SF

NCR's latest offering in the NCR Site Controller line is the NCR S500 platform. Building on the success of its predecessors, the S500 platform provides an industry standard computing platform for site and file controllers. Utilizing Intel's latest micro-architecture, the S500 employs a 14 nm

manufacturing process, hyper-threading, multiple cores, and memory controller integration onto the processor. Keeping with the NCR goal of long-life products, the S500 platform has been sourced to provide a long life relative to the PC market, where platform changes every 6 months are common.

Enhanced system performance

Dual-Core and Quad-Core technology integrates multiple complete execution cores in a single processor providing advancements in simultaneous computing for multi-threaded applications and multi-tasking.

Protects your investment

Execute Disable Bit can prevent certain classes of malicious "buffer overflow" attacks when combined with a supporting operating system.

Efficient design

The S500 features a small form footprint and (optional) full front locking door saving valuable space and preventing accidental shut-down or tampering by covering the power switch, USB ports and optical drive.

Dependable

The S500 pairs a single board design minimizing connections for high reliability with Intel AMT (Active Management Technology) for Remote Device System Management reducing on-site service calls.



For more information, visit ncr.com, or email sales.PCR@ncr.com.



TECHNICAL SPECIFICATIONS

CASE

CASE DIMENSION

- | | | |
|----------|-------|----------|
| • HEIGHT | 13.0" | (33cm) |
| • WIDTH | 16.1" | (41cm) |
| • DEPTH | 5.5" | (14cm) |
| • WEIGHT | 14lbs | (6.35kg) |

DRIVE CONFIGURATION

- 1 - CD-RW / DVD-RW combo drive (3 – External 5.25" bays)
- (SF) 2 - 3.5" HDD (1 standard, 1 optional)

SYSTEM COOLING FANS

- (SF) 2 x 60 mm ball bearing fans (rear-mounted)

FRONT PANEL CONTROL

- Power switch, Power LED, HDD LED

KENSINGTON LOCK

- Not supported

COLOR

- Black

POWER SUPPLY

- (SF) 300W Power supporting Full Range and Active PFC

MOTHERBOARD

FORM FACTOR

- MicroATX

PROCESSOR OPTIONS

- Intel® Core™ i7-6700 Quad Core
- Intel® Core™ i5-6500 Quad Core
- Intel® Core™ i3-6100 Dual Core
- Intel® Pentium® G4400 Dual Core

PROCESSOR SOCKET

- LGA 1151

CHIPSET

- Intel® Q170 Express Chipset

MEMORY

- Four 288-pin DDR4 SDRAM DIMM sockets
- DDR4 2133 MHz supported
- Minimum of 4 GB system memory; upgradeable to 16GB

GRAPHICS

- Integrated graphics support for processors with Intel® Graphics Technology:
 - 1 x DVI-I (Up to 1920 x 1200 @60Hz)
 - 2 x HDMI (Up to 4096 x 2160 @24Hz)

AUDIO

- Intel® High Definition Audio:
- Realtek® ALC887 6-Channel High Definition Audio CODEC

PERIPHERAL INTERFACES

- 10 USB 3.0 ports (back panel), 4 USB 2.0 ports (2 front panel and 2 optional expansion)
- 6 Serial ATA (6Gbps) interfaces
- 1 serial port

LAN SUPPORT

- 2 x RJ45 10/100/1000 Mbps/s LAN subsystems

EXPANSION

- One PCI Express x16 connector
- One PCI Express x4 connector
- One PCI Express x1 connector
- One conventional PCI connector

SERIAL ATA RAID

- Board supports Intel Rapid Storage Technology which provides the following RAID levels:
 - RAID 0 – data striping
 - RAID 1 – data mirroring

SYSTEM

STORAGE TEMP

- 0° C–70° C; 32° F–158° F

STORAGE REQUIREMENTS

- Must be in original pack material in humidity controlled environment

OPERATING TEMP

- 0° C–40° C; 32° F–104° F

STARTUP TEMP

- 10° C–35° C; 50° F–95° F System components must be at room temp so condensation does not form

HUMIDITY

- 5%–85% non-condensing

SAFETY CERTIFICATIONS

- TUV

EMI CERTIFICATIONS

- FCC Class A, CE, RCM

ENVIRONMENTAL CERTIFICATIONS

- RoHS compliant, WEEE

SYSTEM OPTIONS

FLOPPY

- Not available

OPTICAL DRIVE

- CD-RW/DVD-RW Combo SATA

STORAGE

- Std 500GB or 2TB 7200rpm SATA hard drive; optional 2nd HD available
- Up to four removable hard drives available in the MT only
- Std 120GB SATA SSD available; optional 2nd SSD available

MODEMS

- PCIe 56K controller based; Faxmodem (Optional)

SERIAL AND PARALLEL CARD EXPANSION

- Options for 2 port or 4 port serial add in cards (Optional)
- Option for 1 DB-25 female IEEE 1284 parallel port (Optional)

OPERATING SYSTEMS

- Windows® 7 Professional (32 and 64 bit)
- Windows® Server 2012 R2 Standard (64 bit only)
- Windows® Server 2008 R2 Standard (64 bit only)
- Windows® Server 2012 R2 Foundation (64 bit only)
- Windows® 10

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