



Dual Socket, Short-Depth Multi Core 2U Appliance Platform

The NCS 2203 delivers high processing power and tremendous I/O expandability in a small form-factor appliance platform.

- 2U Short-Depth Rack Mountable Chassis
- 700 Watt High Efficiency Dual Redundant Power Supply
- Up to Two Intel® Xeon® Multi-Core Processors
- Up to 128GB ECC DDR2 Fully Buffered Memory
- Three Hot-Swappable SAS/SATA/SCSI Stand-alone or RAID Hard Disks
- Two Gigabit Ethernet Interfaces
- Optional LCD
- Up to 7 Low Profile OR 4 Full Height and 3 Low Profile PCI slots

NCSAPP Bundled Services

The NCS Appliance Partner Program offers a wide range of services including product design, program management, product life-cycle support, and complete logistics management. Our engineering capabilities include custom chassis design, in-house thermal, vibration, acoustical, and operating system compatibility testing. As your appliance partner, we will build the appliance to your exact specifications, load your software image, perform burn-in and functional testing on each unit and will drop ship directly to your end customers in custom branded packaging. NCS will also inventory, package and ship your product complete with your consigned documentation, media, and accessories. Our appliances are backed with a wide range of service warranties including telephone and e-mail support, up to 3 years Mail-In Mail-Back Repair Service and Global Onsite support options.



Processor

Up to Two Intel Xeon Dual Core/Quad Core supported
OR Up to two AMD Opteron Dual Core/Quad Core supported

Chipset

Intel® 5000 series chipset 1600/1333/1066/800 MHz System bus
OR nVidia nForce MCP55 Pro for AMD systems

BIOS

8Mb Flash EEPROM with Phoenix® BIOS
OR 8Mb Flash EEPROM with AMI® BIOS

System Memory

240-pin DIMM sockets for up to 128 GB DDR2 667 FB-DIMMs
OR 240-pin DIMM sockets for up to 64GB DDR2 400 Registered ECC
Dual Channel memory

System Management

Monitoring for CPU, chassis, environment

Integrated I/O

Two serial ports – one 9-pin rear I/O and one onboard header
One 15-pin VGA port
One Floppy Controller
Two RJ45 10/100/1000 Base-T port
Four USB 2.0 ports - two rear I/O and two onboard headers
Stacked PS/2 keyboard and mouse ports

Integrated Graphics Adapter

Onboard integrated ATI ES1000 controller with
16 MB of video memory

Integrated Network Interface

Dual Intel® 82541GI Gigabit Ethernet interfaces

Integrated EIDE and SATA controller

Single EIDE channel supporting up to two enhanced IDE devices
ESB2 3.0Gbps SATA controller with RAID 0, 1, 5, 10 support

SCSI controller (only in SCSI model)

LSI 1068 OR Adaptec AIC-7902/AIC-9410 Single-Channel Ultra320 SCSI

Hard Disk Capacity

Three Hot-Swappable SAS/SATA Hard Disk Drives
Three Fixed SCSI Disk Drives

Expansion Slots

Seven Low-Profile PCI-X / PCI-Express Slots OR
Four Full Height and Three Low-Profile PCI-X / PCI-E Slots (using riser)

Enclosure Specifications

2U Short-Depth ATX or E-ATX form-factor
Rack mountable 19"(w) x 17.7"(d) x 3.5"(h)

Power Supply Features

700 Watt AC-DC Dual Redundant (1+1) power supply
modules with PFC
Input Frequency: 50-60 Hz
Input Voltage: 100-240 VAC Switching

Environmental

Operating Temperature: 10 -35 deg C
Storage Temperature -35 to 70 deg C
Operating Temperature: 10° to 35° C
Storage Relative Humidity 90%, 35 deg C
Operating Relative Humidity: 85% non-condensing
Operating Altitude: -45 to 9500 ft
Storage Altitude: -45 to 25,000 ft

Regulatory Compliance and Product Certifications

Electromagnetic Emissions:

FCC Class B, EN 55022 Class B, EN 61000-3-2/-3-3, CISPR 22 Class B

Electromagnetic Immunity:

EN 55024/CISPR 24, (EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-8, EN 61000-4-11) 55024

Safety:

EN 60950/IEC 60950-Compliant
UL Listed (USA), CUL Listed (Canada),
TUV Certified (Germany)
CE Marking (Europe)

System Weight

45lbs approx

