



## Single Socket, Multi-Core 1U Appliance Platform

The NCS 1104 provides a combination of value, efficiency and redundancy making it a suitable platform for Intrusion Prevention, Intrusion Detection, and Web Hosting, etc.

- 1U Rack Mountable Chassis
- Single AC or DC Power Supply – Redundant Power Option
- Single Intel® or AMD® Multi-Core processor
- Up to 8 GB DDR2 ECC Memory
- Four fixed or removable SATA/SAS/SCSI standalone or RAID Hard Disks
- Two Gigabit Ethernet Interfaces
- Optional LCD
- Two full-height and one 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**

Supports One Intel® Xeon® 3000/Core2Duo® or AMD® Opteron™ 1000 Series CPU

**Chipset**

Intel® 3000/3010 chipset 1066/800/533 MHz FSB or nVidia MCP55 Pro for AMD® based system (1000MHz bus)

**BIOS**

8Mb Flash EEPROM with Phoenix® BIOS (Intel model)  
4Mb Flash EEPROM with AMI® BIOS (AMD model)

**System Memory**

Four 240-pin DIMM sockets for up to 8 GB DDR2 667/533MHz ECC/non-ECC unbuffered memory

**System Management**

Monitoring for CPU, chassis, environment

**Integrated I/O**

Two serial ports – one 9-pin rear I/O and one onboard header for optional front COM port  
One 15-pin VGA port  
Two RJ45 10/100/1000 Base-T port  
Four USB 2.0 ports - two rear I/O and two onboard headers for optional front USB ports

**Integrated Graphics Adapter**

Onboard integrated ATI ES1000 16MB VGA graphics

**Integrated Network Interface**

Dual Intel® 82546GB Gigabit Ethernet interfaces (Intel model)  
nVidia MCP55 Pro Chipset Dual-port Gigabit (AMD model)

**Integrated disk controller**

Intel® ICH7R SATA controller built-in 3.0 Gbps (Intel model)  
nVidia MCP55 Pro SATA2 3.0Gbps Controller (AMD model)  
LSI 1078 SAS controller with HostRAID 0, 1, 5, 10 (Available on select models only)

**Hard Disk Capacity**

4x Hot-Swappable SAS/SATA hard disks OR 4x fixed SCSI hard disks

**Enclosure Specifications**

1U ATX form-factor Rack mountable 16.7"(w) x 26.7"(d) x 1.75"(h)

**Expansion Slots**

**Intel model:**

Left Slot (Full-height / Full-length):

2 (x8) PCI-Express

Right Slot (Low-profile):

1 PCI-E x4 (in x8 Slot)

**AMD model:**

Left Slot (Full-height / Full-length):

1 Universal I/O (UIO) Slot and

1 PCI-E x8 Slot

Right Slot (Low-profile):

1 PCI-E x8 Slot

**SCSI with Redundant Power**

One full-height x8 PCI-Express or one 64-bit 100MHz PCI-X slots

**SATA with Standalone Power**

Two full-height x8 PCI-Express or two 64-bit 100MHz PCI-X slots

**Power Supply Features**

Single or hot-swap redundant modules available

Input Frequency: 50-60 Hz

Input Voltage: 100-240 VAC Auto Sensing

**Environmental**

Operating Temperature: 10 -35 deg C

Storage Temperature -35 to 70 deg 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 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, CUL Listed, TUV Certified & CE

**System Weight:**

45lbs approx

