



High Performance Single CPU 1U Appliance Platform

Designed to provide high reliability at a low cost, the NCS 1102 is an ideal solution for all applications requiring data redundancy as well as fast computing.

- 1U Mini Rack Mountable Chassis
- Single AC or DC Power Supply
- Single Intel® or AMD® CPU
- Up to 8 GB ECC DDR2 667/533 Memory
- Two fixed EIDE/SATA (stand-alone or RAID)
- Two Gigabit Ethernet Interfaces
- Optional LCD
- One full-height 64-bit PCI-X or PCI-Express (x8) slot

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.



Expansion Slots

One full-height 133 MHz 64-bit PCI-X slot
OR PCI-Express x8 Option (Intel)

Enclosure Specifications

1U Rack mountable 16.8"(w) x 14"(d) x 1.75"(h)

System Weight

25lbs approx

Power Supply Features

260 Watts stand alone
Input Frequency: 50-60 Hz
Input Voltage: 100-240 VAC Switching, 4A max.
+5V 25.0 A maximum
+5V Standby 2.0 A maximum
+12V 18.0 A maximum
-12V 1.0 A maximum
+3.3V 15.0 A maximum

Environmental

Operating Temperature: 10 -35 deg C
Storage Temperature: -40 to 70 deg C
Operating Temperature: 10° to 35° C
Storage Relative Humidity 95%, 35 deg C
Operating Relative Humidity: 90% 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 (USA)
CUL Listed (Canada)
TUV Certified (Germany)
CE Marking (EU)

Processor

Single CPU Socket
Support for an Intel® Xeon 3000/Core2Duo/Pentium (LGA 775) series CPU
OR an AMD® 100/1000 series CPU

Chipset

Intel® 3000 (Mukilteo-2) chipset with 1066/800/533 FSB OR
Intel 3200 (Bigby) (for Intel systems)
OR ServerWorks HT1000 (for AMD® systems)

BIOS

8Mb Flash EEPROM w/ Phoenix® BIOS, PnP, ACPI 1.0, SMBIOS 2.3
OR 4MB Flash EEPROM w/ AMI® BIOS SST-49LF004B, ACPI 1.0, SMBIOS 2.3

System Memory

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

System Management

Monitoring for CPU, cooling fans, environment

Integrated I/O

Two serial ports - one 9-pin rear I/O and one onboard header
One 15-pin VGA port
One 25-pin parallel port (Intel systems only)
Two RJ45 10/100/1000 Base-T port
Six USB 2.0 ports - two rear I/O and four onboard headers
Stacked PS/2 keyboard and mouse ports

Integrated Graphics Adapter

Onboard integrated server quality graphics

Integrated Network Interface

Dual Gigabit Ethernet interfaces (Intel 82573V/L OR Broadcom BCM5704C)

Integrated EIDE and SATA controller

Single-channel master mode for support of up to two enhanced IDE devices
Intel® ICH6R SATA controller

Hard Disk Capacity

2 x fixed EIDE/SATA hard disk drives
Hot-swap option available in alternate 22"D chassis

