NCS NexServ Server Buying Guide

Despite the confusing array of options and choices, selecting a server for your organization can be straightforward. This guide will help you narrow the options and choose a solution that meets your business needs -- and price point, too.

In general, the server hardware selection will depend on the server application. Different applications, as well as the number of users expected to access the machine, will demand different types of hardware configurations. While there are many kinds of server applications — mail, database, file server, Web server, virtualization and so on — server hardware is often optimized for a particular mix of three resources: computing capability, storage, and network connectivity.

Common Usage Models

- File servers allow documents and data files to be shared, secured and backed up from one place. Almost without exception, the first server in any business is a file server. Storage redundancy and faster access is crucial for file servers.
- Print servers allow you to share a single printer among many users.
- Web servers tend to use low amounts of hardware resources. The server often caches Web pages and doesn't always have to access the hard drive to load Web pages.
- DNS (Domain Name Service) and Internet gateway functions are lightweight services in terms of server hardware requirements.
- Mail servers move and store e-mail within the business and the Internet.
- Collaborative workspace servers make it easy for staff to share data and work collaboratively.
- Virtual servers enable sharing of hardware resources by running multiple virtual machines on one server.

The table below will help to identify some of the common uses associated with NCS Technologies servers as commonly requested by Navy customers. For additional information, please contact your NCS representative:

Towanna Payne
Director, Navy/Marine Corps Sales
571.465.7737
tpayne@ncst.com

NCS NexServ Server Buying Guide

NCS108595 - Small foot-print Rackmount workstation with high-performance graphics card.	Ideal for gaming server, graphic designing, virtualization, simulation.
NCS108596 - Fully redundant Rackmount server with 16 total cores.	Ideal for Mail server, web server, Database server, Virtual server.
NCS108597 - Small footprint Rackmount server with 16 total cores and Fiber Channel network.	Ideal for backbone server, Virtual server, network monitoring with 24-port Network switch.
NCS108598 - Small foot-print Rackmount server with 16 total cores, and Fiber Channel network.	Ideal for backbone server, Virtual server, network monitoring.
NCS108599 – Low cost triple display Workstation.	Ideal for multiple display Workstation, graphic designing.
NCS108600 - Mid-tower workstation with high performance graphics.	Ideal for graphic designing, gaming.
NCS108601 - Pedestal server/workstation with high performance graphics.	Ideal for graphic designing, application acceleration, gaming server, simulation.
NCS108602 - Pedestal server/workstation with 16 total cores and high performance graphics.	Ideal for graphic designing, virtualization, gaming server, simulation.
NCS108603 - Small footprint Rackmount virtual server with 16 total cores and Fiber Channel storage connectivity.	Ideal for virtualization, private cloud.
NCS108604 - Rackmount virtual server with 16 total cores and 40TB usable space with full redundancy.	Ideal for virtualization, private cloud with local storage.
NCS108605 - Rackmount GPGPU server with 16 total cores and 60 core Intel Xeon Phi.	Ideal for parallel processing, HPC, CAD designing.
NCS 104547 – 1U Rackmount rugged short-depth server with 20 total cores and up to 5 SSDs. Redundant AC and DC power options.	Ideal for tight spaces and harsh conditions on land and at sea.