

SPACE-SAVING HIGH-AVAILABILITY COMPACT SERVER



NUCLEUS SERVER

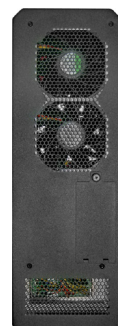
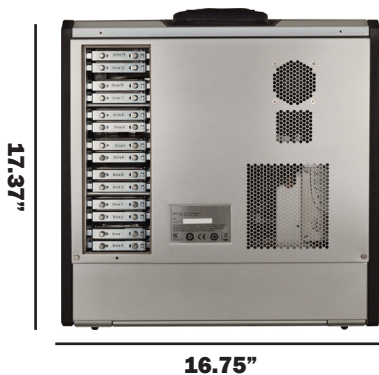
Compact Server Optimized for Full-Scale Server Deployments

While enterprises are always looking for ways to reduce the cost of running their datacenters, there is a limit to how much space and power can be freed up with traditional rack-mount systems. Even tower servers are still quite large, and moving them more than occasionally is not practical. Also, many tower servers lack redundant power or integrated storage on par with rack-mounted solutions.

The Nucleus Server solves these shortcomings by providing rack-mount reliability and performance, but in a compact system that is easy to

transport. It is optimized for full-scale server deployments that require a mix of virtualization, high-speed networking, and enterprise-level storage.

This can be especially useful for companies that need to run high-end software away from the office, such as conducting sales demonstrations or proof-of-concept installations. In cases where complex applications using multiple virtual machines must be utilized, the Nucleus Server is the ideal alternative to underperforming laptops or shipping bulky servers to a customer site.



Small, space-saving
mini-tower chassis
with carrying handle

Redundant 1300 watt
2+1 hot-swappable
power supply

Up to 256GB memory

Up to 14 removable
hard drives with
RAID 0/1/5/6/10
configurations

Robust virtualization
support

Fast Intel Xeon
and Intel Core i7
processors

Physical	5.80" (W) x 17.37" (H) x 16.75" (D), ~25 lbs. (depending on configuration)
OS	<ul style="list-style-type: none"> • Microsoft Windows 7 Professional, XP Professional, 2008 Server, 2003 Server • Various Linux distributions • Robust virtualization support including VMware vSphere and ESXi, Microsoft Hyper-V, and Citrix XenServer
Available Drive Capacities / Features	<ul style="list-style-type: none"> • SATA: up to 1TB each • SAS: up to 1.2TB each • Solid State Drives: up to 960GB each • Encryption options available
Add-In Video	A selection of NVIDIA Quadro and AMD FirePro professional graphics solutions are available
Power Supply	<ul style="list-style-type: none"> • 1300W redundant (2+1) hot-swappable 110/220V 50/60Hz auto switching AC input power supply • Optional 1300W redundant (2+1) hot-swappable 48V DC input power supply
Environmental	<ul style="list-style-type: none"> • Operating: 5°C–40°C / 41°F–104°F. Non-Operating: -40°C–65°C, -40°F–149°F. • Relative humidity (5-95%) non-condensing
Regulations	FCC Class A, and CE. Certified TUV
Warranty	1 year parts and labor; 2nd and 3rd year warranties available

Model	AC206	SC602L	SC606-SV	AC602
Available CPUs	<ul style="list-style-type: none"> • Single Intel Core i7 up to 3.4GHz quad-core • Single Intel Xeon, 3.5GHz quad-core 	<ul style="list-style-type: none"> • Single Intel Xeon E5-1600, E5-2600, E5-2600v2 series, up to 2.7GHz twelve-core 	<ul style="list-style-type: none"> • Single or dual Intel Xeon E5-1600, E5-2600, E5-2600v2 series, up to 2.7GHz twelve-core 	
Memory (up to)	32GB DDR3 RAM (ECC or non-ECC)	256GB DDR3 RAM (ECC)	256GB DDR3 RAM (ECC)	256GB DDR3 RAM (ECC)
PCI Expansion	<ul style="list-style-type: none"> • (2) PCI Express 2.0 x16 (x16 or x8/x8 elec.) • (2) PCI Express 2.0 x16 (x4 elec.) • (1) PCI Express 2.0 x1 • (1) PCI 32-bit/33MHz 	<ul style="list-style-type: none"> • (2) PCI Express 3.0 x16 (x8 elec.) • (2) PCI Express 3.0 x8 • (2) PCI Express 3.0 x8 (x4 elec.) • (1) PCI Express 2.0 x8 (x4 elec.) 	<ul style="list-style-type: none"> • (3) PCI Express 3.0 x8 • (1) PCI Express 2.0 x8 (x4 elec.) • (1) PCI Express 2.0 x1 • (1) PCI 32-bit / 33MHz 	<ul style="list-style-type: none"> • (2) PCI Express 3.0 x16 • (2) PCI Express 3.0 x8 • (1) PCI Express 2.0 x8 (x4 elec.)
Removable Storage	<ul style="list-style-type: none"> • Up to (14) internal, no-tools removable SATA, SAS, or Solid State Drives 			<ul style="list-style-type: none"> • Up to (12) internal, no-tools removable SATA, SAS, or Solid State Drives
Fixed Storage	<ul style="list-style-type: none"> • Up to (18) internal, fixed SATA or SAS hard drives • or up to (20) internal, fixed Solid State Drives • Note: mutually exclusive with some removable drive configurations 			
RAID	Onboard SATA RAID 0/1/5/10, or via add-on PCIe RAID controller			
Onboard Video	Integrated Intel HD Graphics (processor dependent)	Matrox G200eW	Matrox G200eW	Aspeed AST2300
Ports	<ul style="list-style-type: none"> • (3) USB 3.0 ports • (6) USB 2.0 ports • (2) RJ-45 LAN (GbE) • (1) DVI-I • (1) IEEE-1394a (FireWire 400) • (1) PS/2 keyboard/mouse combo • (1) S/PDIF optical audio out, • (1) S/PDIF coaxial audio out • (6) analog audio ports 	<ul style="list-style-type: none"> • (2) USB 2.0 ports • (6) USB 2.0 internal headers • (1) USB 2.0 internal port • (2) RJ-45 LAN (GbE) • (1) VGA port • (2) PS/2 keyboard/mouse ports • (2) serial ports (1 external, 1 internal header) 	<ul style="list-style-type: none"> • (4) USB 2.0 ports • (4) USB 2.0 internal headers • (1) USB 2.0 internal port • (2) RJ-45 LAN (GbE) • (1) serial port 	<ul style="list-style-type: none"> • (2) USB 3.0 ports • (4) USB 2.0 ports • (2) RJ-45 LAN (GbE) • (1) Management Connector • (1) PS/2 keyboard/mouse • (1) serial port