

PERFORMANCE WITHOUT COMPROMISE



NUCLEUS EXP

Powerful Processing, Graphics, and Storage in a Single, Compact System

Keeping up with the pace of today's creative environments can be grueling, especially if the hardware you're working on is outdated and slow. Even if you're ready to invest in a new workstation, many of the available options simply can't handle the latest software or formats like 6K video, or they require expensive external storage devices. How can you deal with demanding projects today and down the road?

The Nucleus EXP is not just any workstation - it's a powerful machine featuring the latest and fastest Intel Xeon processors, multiple high-end graphics cards for GPU-acceleration, and blazing fast internal storage with data rates beyond 2,000MB/s.

Forget about workstations that offer a handful of hard drives and force you to hook up to another storage box for serious work. The Nucleus EXP combines all of this into a compact, elegant system that's as at home in your studio as it is on-set.

Because we built the Nucleus EXP to handle the highest-end processors, graphics, and storage, this system is also ideal for any computing-intensive application, whether it's geospatial image processing, real-time graphics rendering, or 3D visualization. Let us help you configure the ultimate workstation for your next tough project.



20"



5.25"

**20 front-access
removable hard drives**

**Separate OS/
application drives**

**Two 12-core Intel®
Xeon® processors**

**Up to 256GB DDR3
memory**

**7 full-length, full-
height PCI Express 3.0
slots**

**Hot-swappable
1300W redundant
power supply**

Model	AC602WS
Available CPUs	Dual Intel Xeon E5-2600 v2 series, each up to 2.7GHz twelve-core
Memory (up to)	256GB DDR3 RAM (ECC)
PCI Expansion	<ul style="list-style-type: none"> • (4) PCI Express 3.0 x16 mechanical / x16 electrical • (3) PCI Express 3.0 x16 mechanical / x8 electrical
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
Storage	<ul style="list-style-type: none"> • Up to (20) front-access removable SATA, SAS, or Solid State hard drives • Up to (2) rear-access removable SATA, SAS, or Solid State hard drives
RAID	Onboard RAID 0/1/5/10, or via add-on PCIe RAID controller
Optical Drive	Front-access DVD±RW or optional Blu-Ray RW
Graphics Card Options	<ul style="list-style-type: none"> • NVIDIA Quadro series up to K6000 • AMD FirePro series up to W9000
I/O	<ul style="list-style-type: none"> • (2) USB 3.0 • (2) USB 3.0 internal headers • (6) USB 2.0 • (4) USB 2.0 internal headers • (2) USB 2.0 internal vertical port • (2) RJ-45 LAN • (1) IEEE-1394a • (1) optical S/PDIF out • (1) S/PDIF out internal header • (2) COM port internal connector • (6) audio jacks • (1) PS/2 keyboard • (1) PS/2 mouse
OS	<ul style="list-style-type: none"> • Microsoft Windows 7, XP Professional • Linux options available
Power	<ul style="list-style-type: none"> • 1300W 50/60Hz 110/220V AC auto-switching, load-sharing power supply. Also available in 2+1 hot-swappable configuration.
Physical	16.5" (H) x 5.25" (W) x 20" (D)
Warranty	1 year parts and labor; 2nd and 3rd year warranties available