

**MASSIVE  
WORKSTATION  
PERFORMANCE**  
MINISCULE SIZE



# NUCLEUS

**Blazing Workstation Performance  
in a Fraction of the Space!**

Typical high-end workstations are designed for top-of-the-line performance, and not for small size. But what about those space-saving, small form-factor computers that your office colleagues use for their day-to-day work? Does high-performance really have to mean huge and heavy?

Not so with the Nucleus workstation from NextComputing. The Nucleus is not only half the size and weight of an equivalent professional workstation, but it doesn't sacrifice on the sheer processing and graphics horsepower you need to work quickly and efficiently.

The Nucleus also features a totally unique and elegant design that sets it apart from traditional tower workstations, and comes with a convenient handle for times when you may need to transport your system elsewhere, such as a boardroom presentation.

The Nucleus is made to blaze through your demanding engineering and design applications like Dassault Systèmes SolidWorks, CATIA, Autodesk Inventor, Maya, or 3ds Max, or any 3D CAD or digital content creation software. Plus its high-end features make it ideal for any tough computing task such as HD video editing, seismic processing, or financial analysis.



16.75"



5.8"



**Compact mini-tower  
form factor**

**Fast Intel® Xeon® and  
Core i7 processors**

**Up to 14 no-tools  
removable hard drives**

**Large selection of  
graphics hardware  
from NVIDIA and AMD**

**World-class OEM  
services and custom  
branding options**

<b>Available CPUs</b>	Single or dual processors (dependent on choice of motherboard) <ul style="list-style-type: none"> <li>• Quad- or Six-Core Intel Core i7</li> <li>• Intel Xeon up to twelve-core</li> </ul>
<b>Memory</b>	Up to 256GB DDR3 RAM (ECC)
<b>PCI Expansion</b>	Up to (7) full-length, full-height PCI Express slots
<b>Removable Storage</b>	Up to (14) no-tools removable drives; SATA, SAS, or Solid State Drives
<b>Fixed Storage</b>	<ul style="list-style-type: none"> <li>• Up to (18) internal, fixed SATA or SAS hard drives</li> <li>• Up to (20) internal, fixed solid state drives</li> </ul> Note: mutually exclusive with some removable drive configurations
<b>RAID</b>	Multiple SATA/SAS ports with RAID 0/1/5/10 options
<b>OS</b>	<ul style="list-style-type: none"> <li>• Microsoft Windows 7, Vista, XP Professional, 2008 Server</li> <li>• Linux also available in certain configurations</li> </ul>
<b>Power Supply</b>	460W quiet 80 Plus efficient power supply module with optional 700W upgrade
<b>Environmental</b>	<ul style="list-style-type: none"> <li>• Operating: 5 °C–40 °C / 41 °F–104 °F–Non-Operating: -40 °C–65 °C, -40 °F–149 °F</li> <li>• Relative humidity (5-95%) non-condensing</li> </ul>
<b>Regulations</b>	FCC Class A, and CE. Certified TUV
<b>Physical</b>	5.8" (W) x 14.9" (H) x 16.57" (D), 17-22 lbs. (depending on configuration)
<b>Warranty</b>	1 year parts and labor; 2nd and 3rd year warranties available

<b>Physical</b>	5.8" (W) x 14.9" (H) x 16.57" (D), 17-22 lbs. (depending on configuration)
<b>OS</b>	<ul style="list-style-type: none"> <li>• Microsoft Windows 7, Vista, XP Professional, 2008 Server</li> <li>• Linux also available in certain configurations</li> </ul>
<b>Add-In Video</b>	A selection of NVIDIA Quadro and AMD FirePro professional graphics solutions are available
<b>Available Drive Capacities / Features</b>	<ul style="list-style-type: none"> <li>• SATA: up to 1TB each</li> <li>• SAS: up to 1.2TB each</li> <li>• Solid State Drives: up to 960GB each</li> <li>• Encryption options available</li> </ul>
<b>Optical Drive</b>	Optional internal DVD±RW or Blu-Ray RW
<b>Power Supply</b>	460W quiet 80 Plus efficient power supply module with optional 700W upgrade
<b>Environmental</b>	<ul style="list-style-type: none"> <li>• Operating: 5°C–40°C / 41°F–104°F. Non-Operating: -40°C–65°C, -40°F–149°F.</li> <li>• Relative humidity (5-95%) non-condensing</li> </ul>
<b>Regulations</b>	FCC Class A, and CE. Certified TUV
<b>Warranty</b>	1 year parts and labor; 2nd and 3rd year warranties available

Model	AX79EWS	AC206
<b>Available CPUs</b>	<ul style="list-style-type: none"> <li>• Single Intel Core i7, up to 3.4GHz six-core</li> <li>• Single Intel Xeon E5-1600, E5-2600, E5-2600v2 series, up to 2.7GHz twelve-core</li> </ul>	<ul style="list-style-type: none"> <li>• Single Intel Core i7 up to 3.4GHz quad-core</li> <li>• Single Intel Xeon, 3.5GHz quad-core</li> </ul>
<b>Memory (up to)</b>	64GB DDR3 RAM	32GB DDR3 RAM (ECC or non-ECC)
<b>PCI Expansion</b>	<ul style="list-style-type: none"> <li>• (2) PCI Express 3.0 x16 (x16 or x8/x8 elec.)</li> <li>• (2) PCI Express 3.0 x16 (x16 elec.)</li> <li>• (3) PCI Express 3.0 x16 (x8 elec.)</li> </ul>	<ul style="list-style-type: none"> <li>• (2) PCI Express 2.0 x16 (x16 or x8/x8 elec.)</li> <li>• (2) PCI Express 2.0 x16 (x4 elec.)</li> <li>• (1) PCI Express 2.0 x1</li> <li>• (1) PCI 32-bit/33MHz</li> </ul>
<b>Removable Storage</b>	<ul style="list-style-type: none"> <li>• Up to (12) internal, removable SATA, SAS or Solid State hard drives</li> </ul>	<ul style="list-style-type: none"> <li>• Up to (14) internal, removable SATA, SAS or Solid State hard drives</li> </ul>
<b>Fixed Storage</b>	<ul style="list-style-type: none"> <li>• Up to (18) internal, fixed SATA or SAS drives</li> <li>• or up to (20) internal, fixed Solid State Drives</li> <li>• Note: mutually exclusive with some removable drive configurations</li> </ul>	
<b>RAID</b>	Onboard SATA RAID 0/1/5/10, or via add-on PCIe RAID controller	
<b>Onboard Video</b>	None—Must use add-in GPU	Integrated Intel HD Graphics (processor dependent)
<b>Ports</b>	<ul style="list-style-type: none"> <li>• (2) USB 3.0 ports</li> <li>• (8) USB 2.0 ports</li> <li>• (2) RJ-45 LAN (GbE)</li> <li>• (1) IEEE-1394a (FireWire 400)</li> <li>• (1) optical S/PDIF out</li> <li>• (6) audio ports</li> <li>• (1) PS/2 keyboard</li> <li>• (1) PS/2 mouse</li> </ul>	<ul style="list-style-type: none"> <li>• (3) USB 3.0 ports</li> <li>• (6) USB 2.0 ports</li> <li>• (2) RJ-45 LAN (GbE)</li> <li>• (1) DVI-I</li> <li>• (1) IEEE-1394a (FireWire 400)</li> <li>• (1) PS/2 keyboard/mouse combo</li> <li>• (1) S/PDIF optical audio out,</li> <li>• (1) S/PDIF coaxial audio out</li> <li>• (6) analog audio ports</li> </ul>

<b>Physical</b>	5.8" (W) x 14.9" (H) x 16.57" (D), 17-22 lbs. (depending on configuration)
<b>OS</b>	<ul style="list-style-type: none"> <li>• Microsoft Windows 7, Vista, XP Professional, 2008 Server</li> <li>• Linux also available in certain configurations</li> </ul>
<b>Add-In Video</b>	A selection of NVIDIA Quadro and AMD FirePro professional graphics solutions are available
<b>Available Drive Capacities / Features</b>	<ul style="list-style-type: none"> <li>• SATA: up to 1TB each</li> <li>• SAS: up to 1.2TB each</li> <li>• Solid State Drives: up to 960GB each</li> <li>• Encryption options available</li> </ul>
<b>Optical Drive</b>	Optional internal DVD±RW or Blu-Ray RW
<b>Power Supply</b>	460W quiet 80 Plus efficient power supply module with optional 700W upgrade
<b>Environmental</b>	<ul style="list-style-type: none"> <li>• Operating: 5°C–40°C / 41°F–104°F. Non-Operating: -40°C–65°C, -40°F–149°F.</li> <li>• Relative humidity (5-95%) non-condensing</li> </ul>
<b>Regulations</b>	FCC Class A, and CE. Certified TUV
<b>Warranty</b>	1 year parts and labor; 2nd and 3rd year warranties available

Model	SC602	SC602L	SC606	AC602
<b>Available CPUs</b>	<ul style="list-style-type: none"> <li>• Single Intel Xeon E5-1600, E5-2600, E5-2600v2 series, up to 2.7GHz twelve-core</li> </ul>		<ul style="list-style-type: none"> <li>• Single or dual Intel Xeon E5-1600, E5-2600, E5-2600v2 series, up to 2.7GHz twelve-core</li> </ul>	
<b>Memory (up to)</b>	256GB DDR3 RAM (ECC)			
<b>PCI Expansion</b>	<ul style="list-style-type: none"> <li>• (2) PCI Express 3.0 x16</li> <li>• (1) PCI Express 3.0 x8 (x4 elec.)</li> <li>• (1) PCI Express 2.0 x8 (x4 elec.)</li> <li>• (1) PCI 32-bit / 33MHz</li> </ul>	<ul style="list-style-type: none"> <li>• (2) PCI Express 3.0 x16 (x8 elec.)</li> <li>• (2) PCI Express 3.0 x8</li> <li>• (2) PCI Express 3.0 x8 (x4 elec.)</li> <li>• (1) PCI Express 2.0 x8 (x4 elec.)</li> </ul>	<ul style="list-style-type: none"> <li>• (3) PCI Express 3.0 x8</li> <li>• (1) PCI Express 2.0 x8 (x4 elec.)</li> <li>• (1) PCI Express 2.0 x1</li> <li>• (1) PCI 32-bit / 33MHz</li> </ul>	<ul style="list-style-type: none"> <li>• (2) PCI Express 3.0 x16</li> <li>• (2) PCI Express 3.0 x8</li> <li>• (1) PCI Express 2.0 x8 (x4 elec.)</li> </ul>
<b>Removable Storage</b>	<ul style="list-style-type: none"> <li>• Up to (14) internal, no-tools removable SATA, SAS, or Solid State drives</li> </ul>			
<b>Fixed Storage</b>	<ul style="list-style-type: none"> <li>• Up to (18) internal, fixed SATA or SAS hard drives</li> <li>• or up to (20) internal, fixed Solid State drives</li> <li>• Note: mutually exclusive with some removable drive configurations</li> </ul>			
<b>RAID</b>	Onboard SATA RAID 0/1/5/10, or via add-on PCIe RAID controller			
<b>Onboard Video</b>	Matrox G200eW			Aspeed AST2300
<b>Ports</b>	<ul style="list-style-type: none"> <li>• (4) USB 3.0 ports</li> <li>• (8) USB 2.0 ports</li> <li>• (6) USB 2.0 internal headers</li> <li>• (2) RJ-45 LAN (GbE)</li> <li>• (1) VGA port</li> <li>• (2) serial port headers</li> <li>• (3) audio ports</li> </ul>	<ul style="list-style-type: none"> <li>• (2) USB 2.0 ports</li> <li>• (6) USB 2.0 internal headers</li> <li>• (1) USB 2.0 internal port</li> <li>• (2) RJ-45 LAN (GbE)</li> <li>• (1) VGA port</li> <li>• (2) PS/2 keyboard/mouse ports</li> <li>• (2) serial ports (1 external, 1 internal header)</li> </ul>	<ul style="list-style-type: none"> <li>• (4) USB 2.0 ports</li> <li>• (4) USB 2.0 internal headers</li> <li>• (1) USB 2.0 internal port</li> <li>• (2) RJ-45 LAN (GbE)</li> <li>• (1) serial port</li> </ul>	<ul style="list-style-type: none"> <li>• (2) USB 3.0 ports</li> <li>• (4) USB 2.0 ports</li> <li>• (2) RJ-45 LAN (GbE)</li> <li>• (1) Management Connector</li> <li>• (1) PS/2 keyboard/mouse</li> <li>• (1) serial port</li> </ul>