



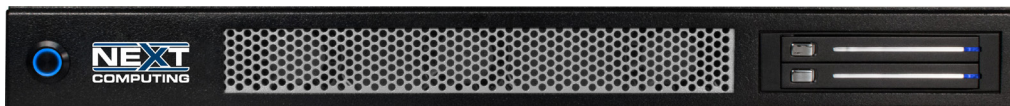
## NUCLEUS 1U

The Nucleus 1U is a sleek, compact, high-performance system designed by NextComputing for appliance, workstation, or server use in a variety of environments.

At 16" deep and 1U depth, the Nucleus 1U still packs the power of enterprise-class performance and full-size PCI Express expansion.

The Nucleus 1U opens up a realm of possibilities with its compact form factor and multitude of expansion options:

- Use as a video switcher or encoder in environments where you need the power, but don't have the space
- Integrate a high-speed PCIe network card for use as a compact server
- Run high-quality graphics for digital signage, regardless of space constraints
- Utilize a powerful GPU for processing of computation-heavy tasks that don't necessarily involve graphics
- Use it as a small, powerful workstation, either directly at the desk, or remotely from a centrally managed location



Front view



Rear view

**Compact form factor:  
1U height, 16" depth**

**Usable as a desktop or  
rackmount workstation**

**Small size allows for  
easy relocation**

**Support for full-size PCI  
Express cards**

**2 hot-swappable hard  
drives and additional  
internal storage**

<b>Available CPUs</b>	Single Intel® Core™ i7 processor or Intel® Core™ i5 processor
<b>Memory</b>	Up to 16GB DDR3 1600MHz or 32GB DDR4 2133MHz RAM
<b>PCI Expansion</b>	(1) PCI Express 3.0 x16 slot for full-length, full-height card
<b>Storage</b>	<ul style="list-style-type: none"> <li>Up to (2) front-access removable SATA or Solid State hard drives</li> <li>Up to (2) fixed 9.5mm SATA or Solid State Drives -or- (1) fixed 15mm SATA hard drive</li> </ul>
<b>Available Drive Capacities / Features</b>	<ul style="list-style-type: none"> <li>SATA up to 2TB each</li> <li>SAS up to 2TB each (or 10K RPM up to 1.8TB)</li> <li>Solid State Drives up to 4TB each</li> <li>Encryption options available</li> </ul>
<b>RAID</b>	Onboard RAID 0/1/5/10, or via add-on PCIe RAID controller
<b>Operating Systems</b>	32-bit or 64-bit Microsoft Windows 10, Windows 8.1, or Windows 7
<b>Power</b>	350 Watt 80 PLUS® Gold certified power supply
<b>Physical</b>	16.75" (425.45mm) W—not including side rails x 1.75" (44.45mm) H x 16"(406.4mm) D
<b>Warranty</b>	1 year parts and labor; 2nd and 3rd year warranties available

## Built-to-order options (please inquire about minimum quantities)

Customization for other motherboard selections, including mini-ITX, micro-ATX, and ATX form factors and corresponding processing, memory, and storage options
Custom rear I/O faceplate to match specialized configurations and adapters
Additional storage configuration options based on your needs
Branding with your logo and custom faceplates