NEXT COMPUTING

PORTABLE WORKSTATIONS

Our Radius series computers are designed for professional users who need the portability and compact size of a laptop, but don't want to give up workstation-level performance. Radius systems feature a full-sized, expandable, and upgradeable architecture based on the industry's latest hardware. Radius systems can be configured to meet your needs at costs that rival high-end notebooks, but offer performance and custom features beyond any notebook on the market.

	Radius	Radius EX	Radius EX-B	Radius EX Plus
Features	All-in-one portable workstation with easy upgrades and expansion	Expanded all-in-one workstation with 7 PCI Express slots	Radius performance with 2-4 hours of battery power	Radius EX performance with variable power options
Processing	Single multi-core Intel Core i7 or Xeon	Single or dual multi-core Intel Core i7 or Xeon	Single multi-core Intel Core i7 or Xeon	Single or dual multi-core Intel Core i7 or Xeon
Memory	Up to 32GB DDR3 RAM	Up to 256GB DDR3 RAM	Up to 32GB RAM	Up to 256GB RAM
Display Options	• Integrated 17.3" LED LCD, (1920x1080), optional touchscreen, support for external displays, or screenless version • Optional 2nd and 3rd high-resolution 17" clip-on displays			
PCI Expansion	Up to (4) full-length PCI Express slots	Up to (7) full-length PCI Express slots	Up to (4) full-length PCI Express slots	Up to (7) full-length PCI Express slots
Storage (SATA / SAS / Solid State)	• Up to (6) hand-removable • -or- up to (6) fixed drives	• Up to (14) hand-removable • -or- up to (18) fixed SATA/SAS • -or- up to (20) fixed Solid State Drives	• Up to (2) hand-removable • -and- up to (4) fixed drives	• Up to (14) hand-removable • -or- up to (18) fixed SATA/SAS • -or- up to (20) fixed Solid State Drives
On-Board RAID	Variable on-board RAID 0/1/5/0+1/10 options or add-in controller			
Dimensions	5.80" (D) x 12.40" (H) x 16.75" (W)	5.80" (D) x 14.90" (H) x 16.75" (W)	6.55" (D) x 14.90" (H) x 16.75" (W)	5.8" (D) x 17.37" (H) x 16.75" (W)
Base Weight	~ 15 lbs.	~ 22 lbs.	~28 lbs.	~ 25 lbs

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RUGGED PORTABLES

Our rugged workstations are configured for mission-critical applications that demand performance and reliability in harsh environmental conditions. When you're working in the field and you need a system that's easy to move and deploy, or you have strict size, weight, and power requirements, Vigor is your best solution.

	Vigor EX	Vigor EX-B
Features	Rugged form factor with extreme power and versatility	Vigor performance with 2-4 hours of battery power
Processing	Single or dual multi-core Intel Core i7 or Xeon	Single multi-core Intel Core i7 or Xeon
Memory	Up to 256GB RAM	Up to 32GB RAM
Display Options	Integrated 17.3" LED LCD, (1920x1080), optional touchscreen, support for external swing-out displays, or screenless version	
Graphics	Must use add-in GPU	
PCI Expansion	Up to (7) full-length PCI Express slots	Up to (4) full-length PCI Express slots
Storage (SATA / SAS / Solid State)	• Up to (10) hand-removable • -or- up to (18) fixed SATA/SAS • -or- up to (20) fixed Solid State Drives	• Up to (6) hand-removable • -or- up to (6) fixed drives
On-Board RAID	Variable on-board RAID 0/1/5/0+1/10 options or add-in controller	
Dimensions	7.92" (D) x 17.53" (H) x 19.75" (W)	7.92" (D) x 17.53" (H) x 19.75" (W)
Base Weight	~48 lbs.	~49 lbs.

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COMPACT TOWER WORKSTATIONS

These compact, high-performance desktop server/workstations are designed for anyone using high-end professional applications looking for an alternative to giant, power-hungry tower workstations. Whether you need a system that is easy to move, or you have limited space in your work area, these systems deliver the high-end features and flexibility that professional engineers and designers need to work effectively.

	Nucleus	**Nucleus GP**	**Nucleus Server**
Features	Enterprise-class workstation performance in a compact tower	Specially designed for GP-GPU processing	Unique portability and redundant power for high availability
Processing	Single or dual multi-core Intel Core i7 or Xeon	Single multi-core Intel Core i7 or Xeon	• Single multi-core Intel Core i7 • Single or dual multi-core Intel Xeon
Memory	Up to 256GB RAM		
Graphics	Must use add-in GPU		
PCI Expansion	Up to (7) full-length PCI Express slots	Up to (6) full-length PCI Express slots	Up to (7) full-length PCI Express slots
Storage (SATA / SAS / Solid State)	• Up to (14) hand-removable • -or- up to (18) fixed SATA/SAS • -or- up to (20) fixed Solid State Drives		
On-Board RAID	Variable on-board RAID 0/1/5/0+1/10 options or add-in controller		
Dimensions	5.8" (D) x 14.9" (H) x 16.57" (W)	5.8" (D) x 17.37" (H) x 16.75" (W)	5.8" (D) x 17.37" (H) x 16.75" (W)
Base Weight	~ 22 lbs	~ 25 lbs	~ 25 lbs

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HIGH-PERFORMANCE RACKMOUNTS

Our high-density rackmount platforms provide enterprise-class server computing in smaller spaces than traditional hardware. Whether you perform 3D rendering, military simulation, video encoding, or a host of other tasks, we can help you design a rackmount solution that maximizes performance per cubic inch, and gives you the peace of mind that only our in-house engineering and industry expertise can offer.

	Nucleus RM Front I/O	Nucleus RM Rear I/O	Nucleus RM Capture 20x2	Nucleus RM Capture 16x3
Features	Compact 3U server with short 20-inch rack depth		High-speed data recording and processing system	
Processing	• Single multi-core Intel Core i7 • Single or dual multi-core Intel Xeon		Single or dual multi-core Intel Xeon	
Memory	Up to 512GB RAM			
PCI Expansion	Up to (6) full-length PCI Express 3.0 slots		(6) full-length PCI Express 3.0 slots	
Storage (SATA / SAS / Solid State)	Up to (18) hand-removable -or- fixed drives	Up to (16) hand-removable -or- fixed drives	• Up to (2) SATA / SAS / Solid State drives -and- • (20) front-removable 1TB drives	• Up to (2) SATA / SAS / Solid State drives -and- • (16) front-removable 4TB drives
On-Board RAID	Onboard RAID 0/1/5/10, or via add-on PCIe RAID controller			
Dimensions	3U Rack Mount: 5.25" (H) x 20" (D) x 16.5" (W—not including side rails)			3U Rack Mount: 5.25" (H) x 25.5" (D) x 16.5" (W—not including side rails)

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PORTABLE DISPLAYS

NextComputing offers portable monitors for high-quality visualization on the go. These ultra-small, lightweight displays offer true-to-life visuals for demanding professionals and are built to withstand continuous use on the road. Used with a laptop, or clipped to a NextComputing system, these displays allow you to bring dual or triple display capabilities anywhere you work.

	ViewPort	Clip-On Display
Features	Portable 17.3-inch LED backlit monitors for laptops	Portable 17.3-inch LED backlit monitors which can be transported by attaching to NextComputing systems
Features	• Adjustable tilt angle • Leather carrying handle • Protective screen cover, or clip dual monitors together for transport	• Adjustable tilt angle • Attaches to front or back of NextComputing portable system via thumbscrew for transport
Max Resolution	1920x1080	
Size	15.75" x 1.5" x 10.75"	