



# VIGOR PLUS

**RUGGED WORKSTATION WITH DUAL 24" 4K  
DISPLAYS AND DESIGNED TO MEET  
MIL-810E/901E/167 SPECIFICATIONS**

For mobile deployments where size, weight, power, and cooling (SWaP-C) are a concern, typical rackmount workstations are just too large, heavy and power consuming. Vigor systems by NextComputing are the perfect solution to overcome these problems.

Vigor Plus, with its dual 24" 4K displays, is built for running visual applications wherever you need to be. Whether you're operating from a ship, vehicle, or command center, the Vigor Plus is designed for rapid and secure deployment with its portable form factor, secure mounting options, and MIL-SPEC standards.

Unique briefcase-like form factor with dual displays for applications such as signal intelligence and UAV piloting

Options for secure mounting on a ship, vehicle, or other platform

Certified to MIL-SPEC and other configurations designed to meet MIL-SPEC

Includes rugged hard case for reliable, secure transportation, as well as optional operational hard case for easy deployment

<b>Environmental</b>	<ul style="list-style-type: none"> <li>• MIL-STD-461, MIL-STD-461C, and DODSTD-1399-70-1 Certified</li> <li>• MIL-STD-167-1A Vibration, MIL-STD-810H Ground Transportation Vibration, MIL-DTL-901E High Impact Shock Certified</li> <li>• 0°C–40°C / 32°F–104°F. Non-Operating: -20°C–70°C, -4°F–158°F.</li> <li>• Relative humidity (5-95%) non-condensing</li> <li>• FCC Class A, CE, TUV, ROHS, Conflict Minerals Free</li> </ul>
<b>Mounting</b>	Support for a mounting adaptor for fixed mount use cases in ships and vehicles and adaptor kit/mounting plate options
<b>Removable Dust Filter</b>	Operational: 0C-40C with Removable Dust Filter with I/O cover and spare washable filters. This modular kit is included and user installable without tools
<b>Dual Displays</b>	1st & 2nd Left/Right Swing out 23.8" 4K 3840(RGB)×2160, UHD 4K , 185PPI (23.8" 4K Dual screens) Fold Modular Display Sub-system
<b>Available CPUs</b>	<ul style="list-style-type: none"> <li>• Intel Core series processor</li> <li>• Single or dual Intel Xeon processors</li> <li>• AMD Ryzen, or AMD EPYC processor</li> <li>• AmpereOne® or Ampere® Altra® processor</li> </ul>
<b>Memory</b>	Up to 1TB DDR4 RAM depending on motherboard chipset
<b>PCI Expansion</b>	Up to (7) PCI Express slots for full height PCI Express cards to ¾ length cards or 9" length with no internal system obstructions
<b>Graphics</b>	Support for best in class workstation GPU cards: Single and Dual graphics cards from NVIDIA
<b>Storage</b>	<ul style="list-style-type: none"> <li>• System Drives: No tools required Single Removable Drive Bay magazine comprised of up to (2) 1TB - 8TB Solid State Drives (RAID 1, Total: 2TB) - SSD (EVO drives)</li> <li>• Data Drives: No tools required Single Removable Drive Bay magazine comprised of up to (4) 1TB - 8TB Solid State Drives (Total: 32TB) - SSD (EVO drives)</li> </ul>
<b>RAID</b>	Optional: Onboard SATA RAID 0/1/5/10, or via add-on PCIe 12G RAID high performance controller options. Our specialty includes optimization for sustained write, video switching ISO recording, and data recording. See systems engineering services section above.
<b>Network</b>	<ul style="list-style-type: none"> <li>• (2) 1Gbps Ethernet Ports and IPMI (Remote Management)</li> <li>• (2) 10G x 2 Intel Ethernet Adaptor RJ45</li> <li>• Options for upgrades to 2x25G SF28, 2x40G QSFP28, 1x100G, 2x100G QSFP28 NIC cards</li> </ul>
<b>Security</b>	Secure Boot UEFI compliant BIOS, Boot Guard,TPM2.0
<b>Remote Management</b>	IPMI, HTML5 and API based out of band management with MAC addresses identification, one time boot on next reboot option, PXE boot option, Redfish compatible Out of Band (OBB) management connection
<b>Operating Systems</b>	Windows 11 and 10 64 Bit Pro, Windows Server, CentOS, Red Hat and other Linux distributions, VMWare vSphere. We also can optimize the OS installation and settings for your use case
<b>Power</b>	110/220V 50/60Hz auto ranging AC 850W single 80 Plus Platinum PSU

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## SPECS

<b>Physical</b>	<ul style="list-style-type: none"><li>• &lt; 27" - 74.7" x 18.4" x 14.5" (open dual display)</li><li>• &lt; 27.8" x 18.4" x 14.5" (closed 2nd display)</li><li>• 3.46" H x 17.25" W x 12.60" D standard rack mount (2 and 4 point)</li><li>• 9" H x 21.75" W x 13.875" D (complete system including operational hard case)</li><li>• Total Weight under 61 lbs.</li></ul>
<b>Transport Case</b>	Includes workstation transport case certified with the system for MIL810H compliance
<b>Optional Equipment</b>	External UPS in Operational Transit Case: External UPS/Operational 2U rugged hardcase short depth 24.8" MIL810H/901E certified UPS 1000VA / 900W supports full 645W load for 6 minutes and at half load 325W that will run for 20 minute. MIL810H/901E CERTIFIED with (2) ratchet Straps for ship mount. Under 63 lbs. total weight
<b>Regulations</b>	FCC Class A, and CE. Certified TUV, ROHS
<b>Warranty</b>	1 year parts and labor. 2nd and 3rd year warranty options



Displays closed, system ready for travel



Right side shown with and without optional dust filter



4 Townsend West, Building 17, Nashua, NH 03063  
Phone: 1 (603) 886-3874 • Fax: 1 (603) 886-1736  
[www.NextComputing.com](http://www.NextComputing.com) • [sales@Nextcomputing.com](mailto:sales@Nextcomputing.com)