

# NEXTSERVER-X

The intelligent, compact design of the NextServer-X allows for both easy transport and expandability. Whether you need cyber analytics in the field, or the flexibility to grow your toolset with your changing needs, the NextServer-X has you covered.

- AMD EPYC processors to 64 cores
- No-tools removable storage includes up to (2) NVME, (8) SAS/SATA SSDs, and (2) SATA 6G SSDs
- Includes Secure Boot UEFI compliant BIOS, TPM2.0 trusted platform
- IPMI with HTML5 support, IPMI client can select on-time boot option on next reboot, IPMI client displays MAC address for all network interface cards, can PXE boot from X710 NIC
- Certified for CentOS, Red Hat Enterprise Linux, VMware vSphere, Windows Server, Windows 10
- PCI Express expansion slots for purpose-built I-O configurations and FPGA or GPU co-processing
- Systems are stackable, cooling front to back
- Includes service and maintenance documents for easy field access, service, and installation of PCIe cards
- Compliant with the NextComputing Supply Chain Risk Management Process

**Smallest form factor, highest performance:** as a desktop or short depth rack mount

**Easily transportable:** System and hard case combined are less than 35lbs for single-person lift and TSA compliant carry-on

**Modular and purpose-built:** For your high performance computing use case

**As a high-performance server:** Ideal for cyber analytics, data analytics, network forensics and data recording

**As a high-performance workstation:** Ideal for rendering and scientific simulation

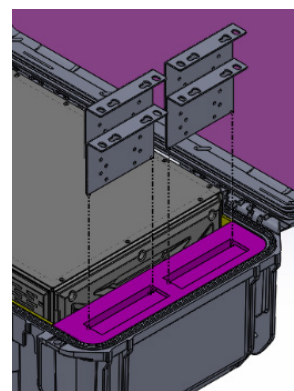
	Standard	High-Performance
Available CPUs	AMD EPYC™ Processor (16-32 cores)	AMD EPYC™ Processor (48-64 cores)
Memory	256GB DDR4 2666MHz ECC RAM to 512GB DDR4 2666MHz ECC RAM	512GB DDR4 2666MHz ECC RAM to 1TB DDR4 2666MHz ECC RAM
PCI Expansion	(7) PCI Express slots  <i>Note:</i> <ul style="list-style-type: none"> <li>• PCI Express cards to ¾ length cards or 9" length.</li> <li>• Full height cards slot availability dependent on NVME storage options installed</li> <li>• If both NVME removable drives installed full height boards in slots 2,3 and 7 only</li> <li>• No configuration restriction with half height cards</li> </ul>	
AI	Configurations available with up to (5) NVIDIA A2 Tensor Core GPU for Artificial Intelligence (AI)/machine learning at the Edge	
Storage	Removable Drive Bays for up to (8) 12G SAS/ 6G SATA 2.5" drives, (2) NVME 2.5" drives, and (2) 6G SATA to 9mm drives	
RAID	<ul style="list-style-type: none"> <li>• (8) port NVME/SAS/SATA 12G LSI 9460-8i PCI Express RAID controller</li> <li>• (8) port SAS/SATA 12G LSI 9361-8i PCI Express RAID controller</li> </ul>	
Sustained Writes	<ul style="list-style-type: none"> <li>• NVME to 3.3GB/Second per drive (2 drives total)</li> <li>• 12G SAS RAID 5 of 8 drives sustained at 6.3 GB Reads and 3.7 GB Writes</li> <li>• 6G SATA RAID 5 of 8 drives sustained 2.8 GB Reads / 2.6 GB Writes</li> </ul>	
Ethernet	(1) Network card Quad-Port 10G Ethernet PCI Express card pre-installed	
Security	Secure Boot UEFI compliant BIOS, Boot Guard, TPM2.0	
Remote Management	IPMI, HTML5 and API based out of band management with MAC addresses identification, one time boot on next reboot option, PXE boot option	
Operating Systems	<ul style="list-style-type: none"> <li>• Red Hat and Cent OS Enterprise Linux</li> <li>• VMWare vSphere</li> <li>• Windows Server, Windows 10</li> </ul>	
Power	<ul style="list-style-type: none"> <li>• 750W 80 PLUS Titanium 110/220V 50/60HZ autoswitching</li> <li>• Optional: 1+1 hot swap 900W Redundant Gold PSU 110/220V 50/60HZ auto switching</li> </ul>	
Carrying Case	Includes TSA-carry-on compliant rugged transit case with telescoping handle & wheels: 9.0" H x 21.89" W x 13.96" D	
Physical	6.42" H x 17.65" W x 11.11" D. Complete solution including TSA carry-on compliant hard case range from 30 lbs to 45 lbs typically (single person lift)	



TSA carry-on compliant dimensions



Single-person lift, under <35 lbs total



Removable rack mount ears store in case

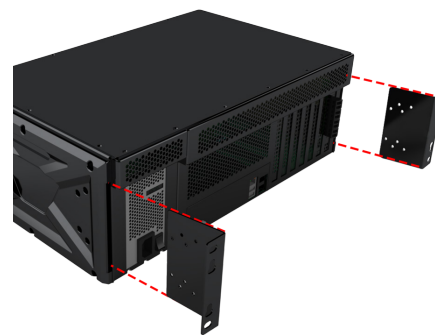
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## PHYSICAL

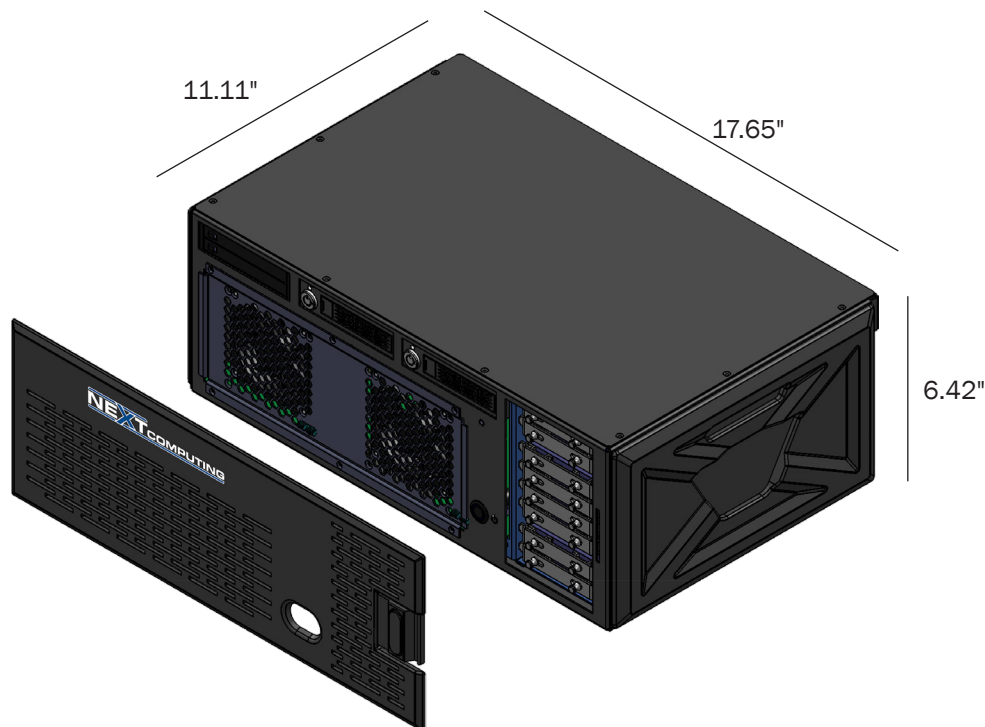
Environmental	<ul style="list-style-type: none"> <li>0°C–40°C / 32°F–104°F. Non-Operating: -20°C–70°C, -4°F–158°F.</li> <li>Relative humidity (5-95%) non-condensing</li> <li>FCC Class A, CE, TUV, ROHS, Conflict Minerals Free</li> </ul>
Warranty	1 year parts and labor. 2nd and 3rd year warranty options
Ease of Service and Upgrade	All storage is removable without tools. Easy access for install and removal of PCI Express cards. Easy to service other system elements. Modular design
Purpose-Built Solutions	Private label branding options. Purpose built application integration and configuration control management services.
Mounting Configuration	<p>The NextServer X can be operated on a table top, front rack mounted, or front access I-O rack mounted. Rack mounting can be done via only (2) rack mount ears or (4) rack mount ears (front and back).</p> <p><i>For vehicle and truck mount use all 4 rack ears front and back</i></p>



Front I-O rack option



Rear I-O rack option



- Short depth 11.11" for rack mount
- Small footprint for desktop (includes rubber feet)
- Stackable on the desktop and cooling front to rear
- Grip-able side bezels and lightweight to carry
- Not tools removable front bezel to access removable SSDs



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