



# NEXTSERVER-X 4U

*Deployable and Operational TSA Carry-On Fly Away Kit*

The NextServer-X 4U is a rugged, mobile, enterprise-class server engineered for teams that need uncompromising compute performance anywhere. Designed for mission-critical workloads such as cyber security operations, AI inference at the edge, and high-volume data capture, it delivers the capabilities of a full rackmount system in a form factor built for mobility.

- **TSA-compliant rolling travel case** — The system is integrated into a durable, airline-carry-on-approved case, making it ideal for field deployments, rapid response teams, and on-site data processing.
- **Enterprise-grade processing power** — Configure with Ampere processors to match your performance profile—whether you need massive parallelism, high core counts, or energy-efficient computing.
- **Scalable, high-density storage** — Up to 12 easy-access NVMe U.3 SSDs, giving you exceptional storage capacity for data-intensive workflows like packet capture or sensor ingestion.
- **Full-height PCIe expansion** — Support for full-height GPUs, DPUs, and NVIDIA SuperNICs enables advanced AI workloads, accelerated networking, and secure data movement—all in a portable 4U footprint.



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## SPECS

Available CPUs	AmpereOne® or Ampere® Altra family of processors with up to 192 cloud native/AI inferencing cores
Memory	Up to 2TB RAM
PCI Expansion	(6) PCI Express slots for full height PCIe cards
AI GPU Options	Support for full height PCIe cards including <ul style="list-style-type: none"> <li>• (1) or (2) NVIDIA RTX Pro 6000 Blackwell Server Edition</li> <li>• (1) NVIDIA L40S</li> <li>• (1) or more NVIDIA L4 GPUs</li> <li>• (1) or more NVIDIA Bluefield DPUs and Smart NIC</li> </ul>
Storage	Up to (12) removable NVMe U.3 SSDs depending on other configuration options. Support for full height PCIe RAID controllers.
Network	<ul style="list-style-type: none"> <li>• Options for multiple 4x1G, 4x10G SFP+ , 2x25G SF28, 2x40G QSFP28, 1x100G, 2x100G QSFP28 NIC cards</li> <li>• Standard: (2) 10Gbps Ethernet Ports and IPMI (Remote Management)</li> </ul>
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, Redfish compatible Out of Band (OBB) management connection
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 11</li> </ul>
Power	1000W SFX PSU
Environmental	0°C–40°C / 32°F–104°F. Non-Operating: -20°C–70°C, -4°F–158°F. Relative humidity (5-95%) non-condensing. FCC Class A, CE, TUV, ROHS, Conflict Minerals Free
Physical	<ul style="list-style-type: none"> <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> </ul>
Warranty	1 year parts and labor. 2nd and 3rd year warranty options
Purpose-Built Solutions	NextComputing designs/manufactures its NextServer-X product line in the USA (TAA compliant) and offers custom configurations, chassis modifications, software integration services and other kitting options, and private label branding options. Includes purpose built application integration and configuration control management services.
Optional Software	Packet capture software: Packet Continuum Suricata, PCAP, Elastic software suite) or open suite tools (ELK, Zeek, Suricata, PCAP) at 10+ Gbps. Learn more at PacketContinuum.NextComputing.com.



TSA carry-on compliant dimensions



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