NextServer-X 1U Ampere

COMPACT SERVER AND SENSOR / DATA COLLECTOR PERFORMANCE, ANYWHERE YOU NEED IT

- Supports the entire Ampere processor family

- Up to 2TB memory

- Dual removable NVMe SSDs

- Includes Secure Boot UEFI compliant BIOS, Intel Boot Guard, TPM2.0 trusted Platform

- 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

- Certified for CentOS, Red Hat Enterprise Linux, VMware vSphere, Windows 2019 server, Windows 10

- Systems are stackable, cooling front to back

- Includes service and maintenance documents for easy field access, service, and installation (1) PCIe card

- Compliant with the NextComputing Supply Chain Risk Management Process

Smallest form factor, highest performance: as a desktop or versatile short depth rack system

Easy rugged transport: Operate (1) or (2) systems from within the rugged travel case for quick setup anywhere.

High-performance server / sensor: Ideal for cyber analytics, data analytics, network forensics and data recording

Application Support: We work directly with our customers every day to ensure that our computers meet their unique requirements

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Available CPUs	Single socket Ampere® Altra® Processor from 32 to 128 Cores up to 250W TDP
Memory	3200 MHz ECC RAM to 2TB
Storage	Removable drive bays for up to (2) NVME 2.5" drives capacities up to 30.76TB per high endurance data recording SSD
Sustained Read/ Write	NVME to 3.5GB/second per drive (up to 2 drives total)
Network	Quad 4x1G Copper Intel® i210 Gigabit Ethernet Controller 2x 10G SFP+ (Other network options available)
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	• Ubuntu 22.04 and (24.04 May release) • Red Hat 8, 9 Enterprise Linux, CentOS and Rocky Linux • Windows Server 2025 (Insider Preview) • Windows 11 24H2
Power	1+1 hot swap redundant 600W 80 Plus Platinum PSU
Display	Configurable LCD to display hostname and IP address
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	• 1.75" H x 17.25" W x 12.60" D standard rack mount (2 and 4 point) per system • 9" H x 21.75" W x 13.875" D (two complete systems including operational hard case)
Transport Case	Optional rack mounting into TSA carry-on operational compliant case with telescoping handle and wheels
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.

21.75"

13.875"

9.00"

TSA carry-on compliant dimensions