NEXT COMPUTING

NextServer-X 1U Data Recorder

High-Performance 1U Rack Data Recorder / Server

- Powered by AMD EPYC 7003 processor with 64 cores, 128 threads or 3rd/4th generation Intel Xeon Scalable processors
- Up to 10 all-flash NVMe drives on front panel and four drives on middle panel to enable extensive storage and high-throughput performance
- Up to three PCIe 4.0 slots to enable higher bandwidth and improved data-transfer rates
- 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
- Air cooling with heatsink achieves lower power-usage effectiveness (PUE) and optimized TCO for data centers
- Tool-less design for easy serviceability
- Includes service and maintenance documents for easy field access, service, and installation of PCIe cards
- Compliant with the NextComputing Supply Chain Risk Management Process

Key Features

Compact form factor, highest performance: 3rd generation AMD EPYC or 3rd/4th generation Intel Xeon Processors

High-performance server: An ideal part of your cyber analytics workflow

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

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SPECS

CPU	• AMD EPYC™ 3rd generation Processor up to 64 core/128 Hyperthreading processor • -or- Intel 3rd or 4th gen Xeon Processor
Memory	3200 MHz RAM to 2TB
PCI Expansion	• 1 x PCIe x16 slot (Gen4 x16 link,FH,HL) • 1 x PCIe x16 slot (Gen4 x16 link,LP,HL) • 1 x PCIe x16 slot (Gen4 x8 link,LP,HL) • 1 x OCP3.0 slot (Gen4 x16 link)
Storage	Removable drive bays for up to (10) NVME 2.5" drives capacities up to 30.72TB per high endurance data recording SSD
Sustained Read/ Write	NVME to 3.5GB/second per drive (up to 10 drives total)
Network	• Options for multiple 4x1G, 4x10G SFP+ , 2x25G SF28, 2x40G QSFP28, 1x100G, 2x100G QSFP28 NIC cards • Standard: (2) 1Gbps Ethernet Ports and IPMI (Remote Management)
AI	Options for NVIDIA A2 Tensor Core GPU(s) for Artificial Intelligence (AI)/machine learning at the Edge
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	• Red Hat and Cent OS Enterprise Linux • VMWare vSphere • Windows Server, Windows 10
Power	1+1 Redundant 800W 80 PLUS Platinum Power Supply Rating: 100-127Vac/200-240Vac, 10A/5A, 50/60Hz
Environmental	• Operating temperature: 10°C – 35°C • Non operating temperature: -40°C – 70°C • Non operating humidity: 20% – 90% (Non condensing)
Physical	• 33.17" x 17.68" x 1.73" (842.5mm x 449mm x 44mm(1U)) • Net Weight: 17 Kg. / Gross Weight: 22 Kg.
Warranty	1 year parts and labor. 2nd and 3rd year warranty options
Purpose-Built Solutions	Private label branding options. Purpose built application integration and configuration control management services.

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