



## PURPOSE-BUILT COMPUTING SOLUTIONS FOR CREATIVE PROFESSIONALS — SO YOU CAN BE EXCEPTIONAL

NextComputing is your go-to provider for purpose-built computing solutions that enable you to excel. We specialize in designing and manufacturing high-performance computer systems and customized hardware solutions for industries such as live video production, post production, animation, and more.

Our products, including compact workstations, rackmount servers, and portable systems, are known for their powerful processing capabilities, high-end graphics performance, and extensive storage options. We focus on creative professionals with optimizations for performance utilizing the latest processing and GPU technology from AMD™, Intel® and Nvidia®.



Our one-of-a-kind workstations are a combination of flexible design and a unique form factor. NextComputing builds your system from the ground up with the right processors, RAM, graphics, and I/O to suit your specific needs, and provides you with a compact system that packs maximum performance in minimum space.



- **Video Editing and Post-Production**

Our workstations offer the performance needed to accelerate video editing, color grading, visual effects rendering, and other post-production tasks. They can handle large video files, process high-resolution footage, and run resource-intensive editing software with ease.

- **3D Animation and Visual Effects**

For producing complex visuals, our workstations are equipped with the latest CPUs and graphics hardware to handle rendering, simulation, and compositing tasks efficiently. These workstations are tested with software like Autodesk Maya, Cinema 4D, and Adobe After Effects.

- **Live Broadcast and Streaming**

Our workstations are deployed all over the world to manage live broadcast and streaming events, such as news broadcasts, sports coverage, and live entertainment. They have the processing power and network capabilities to handle multiple video feeds, real-time graphics overlays, and encoding tasks to deliver high-quality live streams to viewers.

- **Audio Production and Mixing**

In media broadcast, high-quality audio is crucial. We know that powerful workstations also need professional audio interfaces to facilitate audio recording, editing, mixing, and mastering. They can handle multiple tracks, audio effects, and real-time processing, ensuring high-fidelity sound production.

- **Virtual Reality (VR) and Augmented Reality (AR)**

NextComputing workstations can handle the demanding computational requirements of rendering immersive virtual environments, 3D models, and interactive elements for broadcast and streaming platforms.

- **Media Asset Management**

Where large amounts of media files need to be organized, archived, and accessed efficiently, our powerful workstations facilitate the processing, transcoding, and indexing of media assets, making it easier to locate and retrieve specific files quickly.

- **Data Visualization**

We offer systems with the high-quality hardware to streamline media broadcast data visualization purposes. They enable the creation of visually engaging graphics, charts, and interactive presentations that help broadcasters illustrate complex information and trends effectively.

- **Graphics and Motion Design**

We empower graphic designers and motion artists working in media broadcast to work faster than ever before. Our systems supercharge software like Adobe Photoshop, Illustrator, and After Effects, enabling the creation of visually appealing logos, animations, and motion graphics for branding, promotional materials, and on-screen graphics.

## EDGE XT

- Mid-size tower with workstation-class components
- Performance tuned to optimize popular creative applications
- Workstation-class AMD and Intel processors for elite performance
- Accommodates (3) dual-width or (4) single-width professional graphics cards
- Multiple storage options including PCI Express- based or SATA-based SSDs



## NEXTSTATION-TR

- Designed for best-in-class components: Built to use AMD motherboards that leverage the extreme power of the latest AMD Ryzen Threadripper processors
- Versatile form factor: Stackable design and removable front and rear side rack ears for use as either a rack mount or desktop system. Durable, compact, and deployable aluminum alloy chassis with active front-to-back cooling
- Modular design: Built for optimal airflow volume and direction for best cooling/thermal performance with high-end PCI Express cards



## NEXTSTATION-X

- Smallest form factor, highest performance: as a desktop system or short-depth rack mount
- Utilize Intel® Core™ i9 13th generation processors, Intel Xeon, or AMD EPYC
- 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



## NEXTSTATION-TSA

- Breakthrough GPU Performance - Featuring single or dual small form factor NVIDIA RTX 4000™ SFF Ada Generation GPUs.
- High End Processing - Available with 13th Generation Intel® Core™ i9 processors or AMD Ryzen™ 7000 processors.
- Portable Display Included - For easy deployment anywhere you need to be, NextStation-TSA comes with the Strix Portable USB Type-C Monitor from Republic of Gamers. This 17.3-inch full HD display
- Versatile Form Factor - The durable, compact aluminum alloy chassis features front to back cooling and is usable as a desktop workstation or deployable anywhere with the rugged TSA-carryon compliant hard case with wheels and telescoping handle



**EDGE D100**

- Integrated display: All-in-one design for high-performance processing and visualization
- Compact form factor: Small tower footprint, takes up minimum space
- Incredible processing power: Workstation-class processors from AMD and Intel. Configurations include high CPU core count for 3D rendering of images and animations, and encoding videos, as well as fast CPU clock speeds for 3D modeling use cases.
- PCI Express expansion: Support for multiple full-size PCI Express cards for graphics or AI workflows
- Massive storage: Range of internal storage options including PCI Express card based SSDs and SATA based SSDs for increased I/O performance







## NEXTCOMPUTING'S COMPACT POWERHOUSE

Edge XT delivers the next generation of power and creativity wrapped up in a workstation with unprecedented performance. Specially designed for content creation developers, engineers, production and simulation, Edge XT takes creative development up to a new level of performance by combining workstation-class processors with best-in-class components.

Professional creative applications demand ever-increasing system capabilities. With the powerful, versatile Edge XT, you've made an investment in the performance you need now, and in the future.

Edge XT incorporates all this performance into a compact, slick looking package that will make the most discriminating creator proud to call it his or her machine.

### THE CREATIVE EDGE

- Mid-size tower with workstation-class components
- Performance tuned to optimize popular creative applications

### HIGH PERFORMANCE

- Workstation-class AMD and Intel processors for elite performance
- Accommodates (3) dual-width or (4) single-width professional graphics cards
- Multiple storage options including PCI Express- based or SATA-based SSDs

<b>Available CPUs</b>	<ul style="list-style-type: none"> <li>Single socket AMD Ryzen 3, 5, 7, and 9 series, up to 3.5GHz, 16 cores / 32 threads (Ryzen 9 3950X)</li> <li>Single socket AMD Ryzen Threadripper series, up to 3.7GHz, 32 cores / 64 threads (Threadripper 3970X)</li> <li>Single socket AMD Ryzen Threadripper Pro 3000WX or 5000WX series, up to 64-cores</li> <li>Single socket AMD EPYC series, up to 2.25GHz, 64 cores / 128 threads (EPYC 7742)</li> <li>Single Intel® Core™ X Series, Intel® Core™ i9, Intel® Core™ i7, Intel® Xeon</li> </ul>
<b>Memory</b>	<ul style="list-style-type: none"> <li>64GB DDR4 2666MHz</li> <li>Additional upgrades available to 1TB DDR4 RAM. Ask a NextComputing Sales Engineer.</li> </ul>
<b>Networking and Data Off-Load</b>	<ul style="list-style-type: none"> <li>AMD Ryzen configurations (Asus PRIME X570-P): <ul style="list-style-type: none"> <li>1 x LAN (RJ45) port(s)</li> <li>2 x USB 2.0</li> <li>2 x USB 3.2 Gen 1 (up to 5Gbps) ports Type-A</li> <li>4 x USB 3.2 Gen 2 (up to 10Gbps) ports Type-A</li> </ul> </li> <li>AMD Threadripper configurations (Gigabyte TRX40 DESIGNARE) <ul style="list-style-type: none"> <li>2 x RJ-45 ports</li> <li>1 x USB Type-C™ port, with USB 3.2 Gen 2 support</li> <li>5 x USB 3.2 Gen 2 Type-A ports (red)</li> <li>2 x USB 2.0/1.1 ports</li> <li>2 x SMA antenna connectors (2T2R)</li> </ul> </li> <li>AMD Threadripper PRO configurations (ASUS WRX80E) <ul style="list-style-type: none"> <li>USB 3.2 Gen 2x2 Type-C port, 10 x USB 3.2 Gen 2 ports, 3 x M.2 PCIe 4.0, HYPER M.2 x16 Gen 4 card and Intel® X550-AT2 dual 10Gb Ethernet</li> </ul> </li> <li>AMD EPYC configurations (ASRock EPYCD8-2T) <ul style="list-style-type: none"> <li>2+1 RJ45 Gigabit Ethernet LAN port</li> <li>2x USB 3.1 Gen1 Port</li> </ul> </li> <li>Upgrades available: 10G and other networking PCI Express cards</li> </ul>

<b>PCI Expansion</b>	<ul style="list-style-type: none"> <li>AMD Ryzen configurations (Asus PRIME X570-P): <ul style="list-style-type: none"> <li>1 x PCI Express 4.0 x16 (x16 mode)</li> <li>1 x PCI Express 4.0 x16 (max at x4 mode)</li> <li>3 x PCI Express 4.0 x1</li> </ul> </li> <li>AMD Threadripper configurations (Gigabyte TRX40 DESIGNARE) <ul style="list-style-type: none"> <li>2 x PCI Express 4.0 x16 slots, running at x16</li> <li>2 x PCI Express 4.0 x16 slots, running at x8</li> <li>1 x PCI Express 4.0 x1 slot</li> </ul> </li> <li>AMD Threadripper PRO configurations (ASUS WRX80E) <ul style="list-style-type: none"> <li>7 x PCI Express 4.0 x16 slots</li> </ul> </li> <li>AMD EPYC configurations (ASRock EPYCD8-2T) <ul style="list-style-type: none"> <li>4 x PCI Express 3.0 x16 slots</li> <li>4 x PCI Express 3.0 x8 slots</li> </ul> </li> <li>Intel configurations: Up to (5) full-length PCI Express 3.0 slots</li> <li>Intel C422 (Xeon-based) motherboards only: Up to (7) PCI Express 3.0 slots</li> </ul>
<b>Storage</b>	<ul style="list-style-type: none"> <li>512GB M.2 PCIe Gen3 NVMe OS/application SSD for fast boot and load.</li> <li>Upgrade options (Motherboard dependent. Ask a NextComputing Sales Engineer): <ul style="list-style-type: none"> <li>Up to (2) additional M.2 SSD up to 2TB each</li> <li>Up to (4) 2.5" Solid State Drives up to 4TB each - Only (2) 2.5" SSDs if any 3.5" drives installed</li> <li>Up to (2) fixed 3.5" SATA/SAS hard drives, up to 10TB each</li> </ul> </li> </ul>
<b>RAID</b>	Options for onboard SATA RAID 0/1/5/10, or via add-on PCIe RAID controller
<b>Operating Systems</b>	<ul style="list-style-type: none"> <li>Windows 10 64 Bit Pro</li> <li>Additional OS available: Windows Server, CentOS, Red Hat and other Linux distributions, VMWare vSphere</li> </ul>
<b>Power</b>	<ul style="list-style-type: none"> <li>1200W ATX 80 PLUS PLATINUM certified fully modular power supply; 90- 264V, 47-63Hz auto-switching</li> <li>Additional upgrade available to 1600W PSU 80 PLUS Gold certified 115 - 240 V 50/60Hz auto-switching</li> </ul>
<b>Physical</b>	18.5" (46.99 cm) D x 8.3" (21.08 cm) W x 18.3" (46.48 cm) H
<b>Warranty</b>	3 year parts and labor





# NEXTSTATION-TR

The Nextstation-TR is built from the ground up to utilize the latest, most powerful AMD Ryzen Threadripper processors. Processors offering this extreme level of performance demand a unique system configuration, and this kind of intelligent engineering is what NextComputing does best.

- Build your configuration using powerful AMD Ryzen Threadripper or AMD Ryzen Threadripper PRO processors
- Utilize as a rackmount system or portable workstation with our rugged transport case
- Up to 8 front-access removable 6G SATA SSDs
- PCI Express 4.0 expansion slots for purpose-built I-O configurations and FPGA or GPU co-processing

## DESIGNED WITH BEST-IN-CLASS COMPONENTS

Built to use AMD and ASUS motherboards for maximum performance with the latest processors

## UTILIZE THE LATEST FROM AMD

Take advantage of the extreme power of AMD's newest Ryzen Threadripper and Threadripper PRO processors featuring up to 64-cores

## VERSATILE FORM FACTOR

Stackable design and removable front and rear side rack ears for use as either a rack mount or portable desktop system. Durable, compact, and deployable aluminum alloy chassis with active front-to-back cooling.

## MODULAR DESIGN

Built for optimal airflow volume and direction for best cooling/thermal performance with high-end PCI Express cards

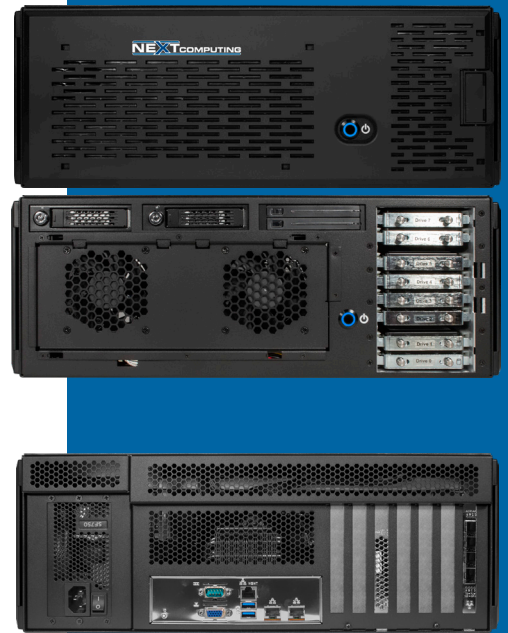


<b>Available CPUs</b>	Single socket AMD Ryzen Threadripper Pro 3000WX or 5000WX series, up to 64-cores
<b>Memory</b>	8 x DDR4 DIMM sockets 3200MHz supporting up to 256 GB (32 GB single DIMM capacity) of system memory
<b>PCI Expansion</b>	Up to 7 PCIe 4.0/3.0 x16 slots (ask your NextComputing Sales Engineer for configuration information)
<b>AI</b>	Configurations available with up to (5) NVIDIA A2 Tensor Core GPU for Artificial Intelligence (AI)/machine learning at the Edge
<b>Storage</b>	Up to (2) M.2 NVMe SSDs up to 4TB capacity each and also up to (8) front trayless removable 6G SATA SSDs to 4TB capacity each
<b>RAID</b>	Configuration options for up to (3) separate hardware RAIDs and multiple RAID array types including RAID 0, 1, 5, and 6 depending on use cases
<b>Operating Systems</b>	Operating Systems supported include: Windows 10, CentOS, Red Hat Enterprise Linux, VMware vSphere , Windows Server, Ubuntu
<b>Power</b>	<ul style="list-style-type: none"> <li>1200W 110/220V 50/60Hz auto-switching 80 PLUS Platinum certified power supply module</li> <li>Optional: 1+1 900W Certified 80 Plus Gold Hot Swappable PSU modules</li> </ul>
<b>Physical</b>	6.42" H x 17.65" W x 15.75" D
<b>Carrying Case</b>	Optional rugged case with wheels and telescoping handle: Internal foam cutout snugly holds the system, as well as spaces for additional accessories. Can be checked as baggage, while giving you peace of mind that your system is safe. External dimensions (L x W x D) – 24.80" x 19.38" x 13.88" (63 x 49.2 x 35.3 cm)
<b>Warranty</b>	1 year parts and labor. 2nd and 3rd year warranty options
<b>Ease of Service and Upgrade</b>	All storage is removable without tools. Easy access for install and removal of PCI Express cards. Easy to service other system elements. Modular design
<b>Purpose-Built Solutions</b>	Private label branding options. Purpose built application integration and configuration control management services.
<b>Mounting Configuration</b>	The NextStation-TR 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). - For vehicle and truck mount use all 4 rack ears front and back



Rugged travel case





# NEXTSTATION-X

The intelligent, compact design of the NextStation-X allows for both easy transport and expandability. Its short 12" depth and rack mount options for front I-O or rear I-O access make it ideal for M&E production and live event use cases including broadcast trucks or other vehicles. It is ideal to use as a workstation for on-set production rendering, encoding, graphics editing, color correction, streaming, ISO recording, and more.

- Single or dual Intel processors, or AMD EPYC processors to 64 cores
- No-tools removable storage options include NVME, SAS/SATA SSDs, and SATA 6G SSDs
- Includes Secure Boot UEFI compliant BIOS, Intel Boot Guard, TPM2.0 trusted Platform
- Certified for CentOS, Red Hat Enterprise Linux, VMware vSphere, Windows Server, Windows 10
- PCI Express 3.0 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 as aircraft carry-on

**Modular and purpose-built:** Configure your power, storage, and expansion options for your specific high-performance use case

**High-performance workstation:** Ideal for rendering and scientific simulation

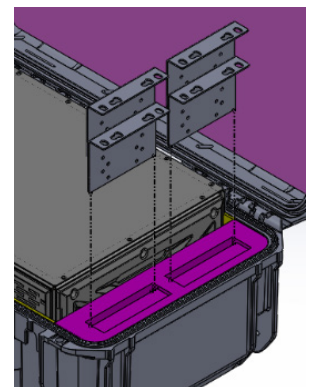
<b>Available CPUs</b>	<ul style="list-style-type: none"> <li>• AMD EPYC™ Processors (16-, 32-, 64 cores)</li> <li>• Single Intel Single Intel Xeon Scalable Processor Family</li> <li>• Single Intel Core i7 and Core i9 Processor family</li> </ul>
<b>Memory</b>	<ul style="list-style-type: none"> <li>• AMD EPYC to 1TB 3200MHz DDR4 ECC memory</li> <li>• Intel Xeon to 1TB 2666MHz DDR4 ECC memory</li> <li>• Intel Core Processors to 512GB 2666MHz DDR4 memory</li> </ul>
<b>PCI Expansion</b>	<ul style="list-style-type: none"> <li>• AMD EPYC: 7 PCI Express 3.0 slots (4 x16 lanes and 3 x8 lanes) <ul style="list-style-type: none"> <li>- PCI Express slots 3, 5, and 7 (x16) support full-length cards including (2) single-width and dual-width high-performance NVIDIA GPUs</li> </ul> </li> <li>• Intel: 4 PCI Express 3.0 slots <ul style="list-style-type: none"> <li>- PCI Express slots 1 and 3 (x16) support full length cards, including (2) single-width and dual-width high-performance NVIDIA GPUs</li> </ul> </li> </ul>
<b>AI</b>	Configurations available with up to (5) NVIDIA A2 Tensor Core GPU for Artificial Intelligence (AI)/machine learning at the Edge
<b>Storage</b>	<ul style="list-style-type: none"> <li>• Up to (4) removable 2.5" NVME SSDs with capacities up to 15.36TB per SSD and 1 or 2 M.2 SSDs up to 4TB per module or 2 removable 2.5" SATA 6G SATA SSDs up to 4TB per SSD</li> <li>• <b>-or-</b> Up to (8) removable 2.5" 12G SAS up to 15.36TB per SSD / 6G SATA SSDs up to 4TB per SSD and 1 or 2 M.2 SSDs to 4TB per module or 2 removable 6G SATA SSDs up to 4TB per SSD</li> </ul>
<b>RAID</b>	Configuration options for up to (3) separate hardware RAID's and multiple RAID array types including RAID 0, 1, 5, and 6 depending on use cases
<b>Sustained Writes</b>	<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>
<b>Network Interfaces</b>	Single or multiple 1G, 10G, 25G and 100G network interface options
<b>Security</b>	Secure Boot UEFI compliant BIOS, Boot Guard, TPM2.0
<b>Remote Management</b>	HTML5 and API based out of band management with MAC addresses identification, one time boot on next reboot option, PXE boot option
<b>Operating Systems</b>	Operating Systems supported include: Windows 10, CentOS, Red Hat Enterprise Linux, VMware vSphere, Windows Server
<b>Power</b>	<ul style="list-style-type: none"> <li>• 750W 80 PLUS Titanium 110/220V 50/60HZ autoswitching</li> <li>• 850W 80 PLUS Titanium 110/220V 50/60HZ autoswitching</li> </ul>
<b>Carrying Case</b>	Includes rugged airline carry-on case, small luggage form factor 10.60" H x 21.20" W x 16" D with telescoping handle & wheels.  Note that 100% TSA compliance is: 9.0" H x 22" W x 14" D and this hard case package is slightly over that dimension in Height and Depth but compliant in Width. It is likely this will be allowed as carry-on unless physical inspection performed to exact dimensions are done by the airline at the gate
<b>Physical</b>	6.42" H x 17.65" W x 12.11" D. Complete solution including TSA carry-on compliant hard case range from 30 lbs to 45 lbs typically (single person lift)
<b>Environmental</b>	<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>



Rugged carry-on case



Single-person lift, under <35 lbs total

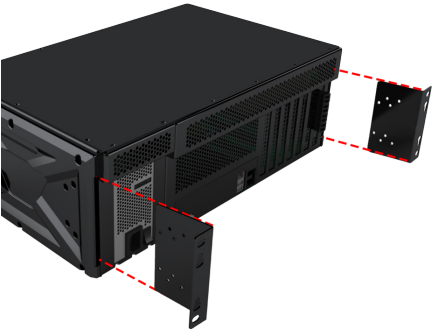


Removable rack mount ears store in case

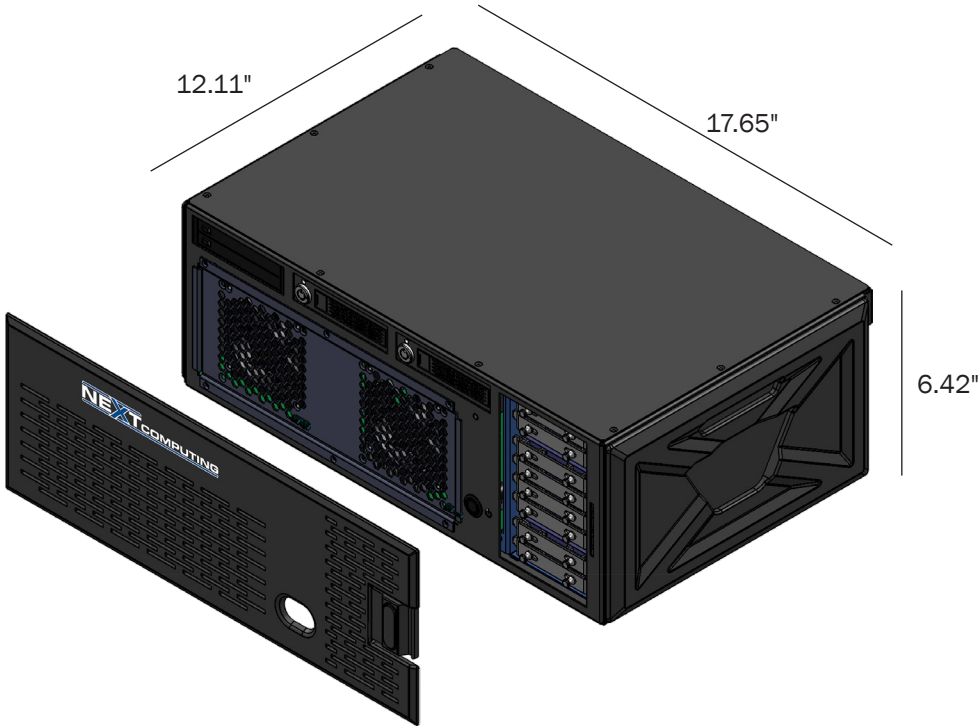
Warranty	1 year parts and labor. 2nd and 3rd year warranty options
Ease of Service and Upgrade	All storage is removable without tools. Easy access for install and removal of PCI Express cards. Easy to service other system elements. Modular design
Purpose-Built Solutions	Private label branding options. Purpose built application integration and configuration control management services.
Mounting Configuration	<p>The NextStation-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>For vehicle and truck mount use all 4 rack ears front and back</p>



Front I-O rack option

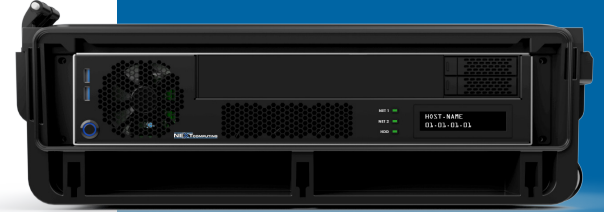


Rear I-O rack option



- Short depth 12.11" 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





# NEXTSTATION-TSA

In recent years, the demand for smaller footprint workstations has been skyrocketing, fueled by an array of factors, including cutting-edge hardware advancements, the extreme miniaturization of components, an increase in remote and mobile workforces, and the need for more energy efficient solutions suited for space available in modern offices and data centers.

To meet this growing demand, NextComputing has developed the NextStation-TSA as the ultimate compact computing solution to help you take your work to the next level. It features extreme computing performance in a compact form

factor for a wide range of use cases and environments.

At the heart of the NextStation-TSA is NVIDIA's newly introduced NVIDIA RTX™ 4000 SFF Ada Generation, the most powerful GPU on the market for Small Form Factor (SFF) workstations. Built on the revolutionary NVIDIA Ada Lovelace GPU architecture, the RTX 4000 SFF Ada brings new levels of performance, features, and capabilities to compact workstations, continuing to drive the evolution of visual computing for professionals.

## Breakthrough GPU

**Performance** - Featuring single or dual small form factor NVIDIA RTX 4000™ SFF Ada Generation GPUs

## High End Processing -

Available with Intel® Core™ i9 processors or AMD Ryzen™ 7000 processors

## Portable Display Included

- For easy deployment anywhere you need to be

## Versatile Form Factor -

Durable, compact aluminum alloy chassis is usable as a desktop workstation or deployable anywhere with the rugged TSA-carryon compliant hard case



<b>Available CPUs</b>	<ul style="list-style-type: none"> <li>Single 13th Generation Intel® Core™ i9 processors</li> <li>AMD Ryzen™ 7000 processors</li> </ul>
<b>Memory</b>	<ul style="list-style-type: none"> <li>4 x DIMM, Max. 128GB, DDR5 6000(OC)/ 5800(OC)/ 5600(OC)/ 5400(OC)/ 5200(OC)/ 5000(OC)/ 4800MT/s Non-ECC, Un-buffered Memory</li> <li>Dual Channel Memory Architecture</li> <li>Supports for Extreme Memory Profiles (XMP)</li> </ul>
<b>GPU</b>	Single or dual small form factor, half-height NVIDIA RTX 4000™ SFF Ada Generation GPUs
<b>PCI Expansion</b>	<ul style="list-style-type: none"> <li>Intel-based configurations: 2 x PCIe 5.0/4.0/3.0 x16 slot(s) (supports x16 or x8/x8 mode(s)) for half-height cards</li> <li>AMD-based configurations: 2 x PCIe 5.0 x16 slots (support x16 or x8/x8 modes) for half-height cards</li> </ul>
<b>Storage</b>	<ul style="list-style-type: none"> <li>Intel configurations: Supports 4 x M.2 slots and 8 x SATA 6Gb/s ports</li> <li>AMD configurations: Total supports 4 x M.2 slots and 4 x SATA 6Gb/s ports</li> </ul>
<b>Operating Systems</b>	<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>
<b>Power</b>	850W 80 Plus Platinum PSU
<b>Display</b>	Republic of Gamers Strix 17.3-inch Full HD portable display
<b>Environmental</b>	<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>
<b>Physical</b>	<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>
<b>Transport Case</b>	Rack mountable into TSA carry-on operational compliant case with telescoping handle and wheels
<b>Warranty</b>	1 year parts and labor. 2nd and 3rd year warranty options
<b>Ease of Service and Upgrade</b>	Easy access for install and removal of PCI Express cards. Easy to service other system elements. Modular design
<b>Purpose-Built Solutions</b>	Private label branding options. Purpose built application integration and configuration control management services.



TSA carry-on compliant dimensions



Included portable display



## INCREDIBLE PERFORMANCE, UNBELIEVABLE PORTABILITY

Edge D100 by NextComputing is a unique, high performance computer line for content creation, VR, and CAD developers and much more.

The Edge D100 features high-end workstation performance in an impossibly small package that easily fits into the most limited work spaces. The integrated 17.3" LCD means no additional display to transport and setup.

Edge D100 meets the performance demands of 10K video production and editing, 3D animation, 3D modeling, live streaming, 360 live stitching, engineering, simulation and data visualization, while still maintaining the benefits of portability.

### THE CREATIVE EDGE

- Compact portable system with integrated display and desktop-workstation performance
- Sleek, mobile design for making an impression at demos, tradeshows, and while travelling

### HIGH PERFORMANCE

- Intel Xeon, Intel Core, AMD Ryzen, or AMD EPYC
- Available with full size professional GPUs
- Range of internal storage options including PCI Express card based SSDs and SATA based SSDs for increased I/O performance

<b>Display</b>	Integrated 17.3" (439.42 mm) LED LCD (1920×1080) with scratch-resistant glass
<b>Available CPUs</b>	<p>The following processors utilize silent liquid cooling:</p> <ul style="list-style-type: none"> <li>• Single Intel® Core™ X series processor</li> <li>• Single Intel® Core™ processor</li> <li>• Single Intel® Xeon processor</li> <li>• Single AMD Ryzen processor</li> </ul> <p>The following processors utilize air cooling:</p> <ul style="list-style-type: none"> <li>• Single AMD EPYC™ series processor</li> <li>• Single Intel Xeon Gold or Platinum processor from 8-cores (16 threads) to 24 Cores (48 threads) per processor</li> </ul>
<b>Memory</b>	<ul style="list-style-type: none"> <li>• With Intel Core X Series and Core i9: Up to 128GB</li> <li>• With Intel Core i7: Up to 64GB</li> <li>• With AMD Ryzen 7: Up to 64GB</li> <li>• With Intel Xeon series: Up to 512GB</li> <li>• With AMD EPYC series: Up to 1TB</li> </ul>
<b>Motherboards</b>	<ul style="list-style-type: none"> <li>• Intel X299 (ATX)</li> <li>• Intel Z370 (ATX)</li> <li>• Intel C422 (CEB)</li> <li>• AMD X470 (ATX)</li> </ul>
<b>PCI Expansion</b>	<ul style="list-style-type: none"> <li>• Up to (5) full-length PCI Express 3.0 slots</li> <li>• Intel Xeon-based and AMD EPYC motherboards only: Up to (7) PCI Express 3.0 slots</li> </ul>
<b>GPUs</b>	<ul style="list-style-type: none"> <li>• Single-width or dual-width PNY NVIDIA GPU card options available</li> <li>• Multi GPU card configuration options available</li> </ul>
<b>AI</b>	Configurations available with up to (5) NVIDIA A2 Tensor Core GPU for Artificial Intelligence (AI)/machine learning at the Edge
<b>Storage</b>	<ul style="list-style-type: none"> <li>• (1) M.2 PCIe Gen3 NVMe OS/application SSD for fast boot and load, up to 7.68TB</li> <li>• Upgrade Options (Motherboard dependent. Ask a NextComputing Sales Engineer): <ul style="list-style-type: none"> <li>» Up to (2) additional M.2 SSDs up to 7.68TB each</li> <li>» Up to (2) no-tools removable 2.5" 9.5mm SSDs up to 7.68TB each -or- up to (2) fixed 2.5" Solid State Drives up to 7.68TB each</li> <li>» With optional 680W PSU: Up to (3) fixed 3.5" SATA/SAS hard drives, up to 16TB each (restricts PCI Express cards to half length only)</li> </ul> </li> </ul>
<b>RAID</b>	Options for onboard SATA RAID 0/1/5/10, or via add-on PCIe RAID controller. Ask a NextComputing Sales Engineer.
<b>Operating Systems</b>	<ul style="list-style-type: none"> <li>• Windows 10 64-Bit Pro</li> <li>• Additional OSs available: Windows Server, CentOS, Red Hat and other Linux distributions, VMWare vSphere</li> </ul>
<b>Power</b>	<ul style="list-style-type: none"> <li>• 650W SFX 80 PLUS Gold certified fully modular power supply; 90- 264V, 47-63Hz auto-switching</li> </ul> <p>Additional upgrades available:</p> <ul style="list-style-type: none"> <li>• 800W SFX 110/220V, 50/60Hz auto-switching 80 PLUS rated power supply PSU – Cards in PCI Express slots are limited to 9" in length</li> <li>• 680W 1U 110/220V, 50/60Hz auto-switching 80 PLUS rated power supply PSU – required for upgrade to 3.5" drives, which restricts PCI Express cards to half length only</li> </ul>
<b>Physical</b>	6.67" (169.41mm) D x 16.75" (425.45mm) W x 13.69" (347.73mm) H
<b>Carrying Cases</b>	<ul style="list-style-type: none"> <li>• Includes soft carrying case</li> <li>• Optional hardened cases and rolling transit cases available</li> </ul>
<b>Warranty</b>	3 years parts and labor

## SOFTWARE INTEGRATION

We can optimize software system performance running on our field-deployable hardware platforms for 3rd party software provided by our customers.

Some of the services we provide include:

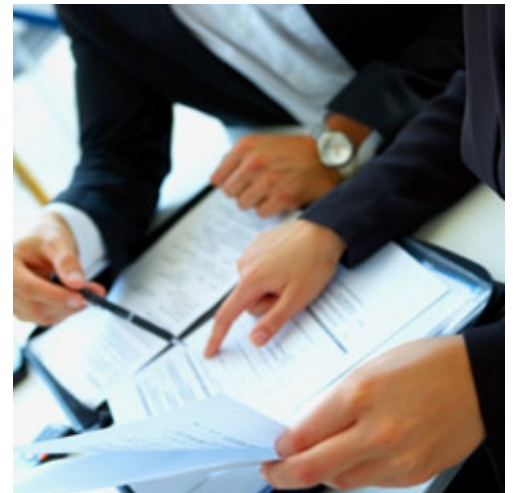
- BIOS optimization settings
- Storage partition mods
- CPU/Thread core mapping
- CentOS/RedHat Linux configuration optimizations
- VM configurations
- Recommended adjustments / improvements to customer source code
- 3rd party source code maintenance

We thoroughly document operating instructions for how users can achieve optimum performance in the field.



## CONFIGURATION MANAGEMENT

Our configuration management services enable us to track every detail of your configuration. From the exact BIOS revision, to the models of hard drives, expansion board locations, even software image loads; you can feel confident that your product is delivered consistently to your customers. This also allows us to manage the longevity of your products by keeping up to date with the latest technology changes.



## SOFTWARE APPLICATION & USE CASE OPTIMIZATION

A special expertise we offer to end users is our software application and use case optimization so that our workstation is configured to maximize its performance for your use case and your applications including Adobe Premiere Pro, Avid Media Composer, DaVinci Resolve, Adobe After Effects, Autodesk Flame, Sony Vegas Pro, Autodesk Maya, Blender, SideFX Houdini, Cinema 4D, Autodesk 3ds Max, Unity, Unreal Engine to name a few, so that you can be exceptional.



## APPLICATION SUPPORT

At NextComputing, our focus is on the needs of users in specialized industries. We work directly with our customers every day to ensure that our computers meet their unique requirements.

Our support of your workstation use case goes beyond our hardware. We know complex interactions between custom software and hardware can be a time consuming, expensive use of your valuable resources. Working with NextComputing you have a true partner to help you with optimizing and troubleshooting your appliance. This starts with your first prototype system and can extend for years to come as you deploy systems to customers and update your software and hardware configurations.



## MADE IN THE USA

Consistent with the Made in USA Standard, NextComputing manufactures and assembles all of the systems listed on our products pages and on-line web-store consistent with TAA compliance, Customs and Border Protection (CBP) guidelines and also with the Trade Agreements Act (19 U.S.C. & 2501-2581).