

## > HIGH PERFORMANCE 3U SERVER



## > OVERVIEW

7thSense introduces the 'R-Series 10' hardware solution, catering to the needs of the most demanding generative projects and complex media-based attractions. Our product offerings include the highest quality video playback, pixel processing, and control solutions available today, enabling storytellers worldwide to fulfill their vision.

Our new hardware range is optimised for the most challenging of use cases and leverages the power of generative engines like Unreal Engine® and Unity®.

Designed from the ground up and certified for professional use and resale in countries around the world, our reliable hardware benefits from advanced PCIe 4.0 graphics cards and storage devices available today.

## > FEATURES

- Certified hardware product
- Robust design
- Built on PCIe 4.0 technologies
- Compatible and tested for use with:
  - Delta Media Server®
  - Unreal Engine®
  - Unity®
  - Notch®
  - TouchDesigner®
- Supports bespoke system solutions
- Scalable and expandable with other 7thSense products



## > SUPPORT

- Same day email/phone support Monday-Friday
- Optional advance replacement warranty (up to 5 years)
- Enhanced support contract options available:
  - 24/7 support
  - Priority phone response time
  - Engineer on call
  - Engineer on site

## > TECH SPECS

### > HARDWARE

- 7 × PCIe 4.0 x16 Slots
- NVIDIA Professional Graphics
- NVLink compatible
- 1600 W Dual Redundant Power Supply
- 128 GB RAM

### > PERFORMANCE

- Notchmarks: 52432
- Blender Benchmark:  
[Monster, Junk Shop, Classroom]
  - CPU: 186, 104, 85
  - GPU: 2556, 1418, 1245
- 3DMark:
  - CPU: 13037
  - GPU: 18543
- PassMark:
  - CPU: 42000
  - 3DGraphics: 30248.1
- Cinebench:
  - CPU MultiCore: 23787
  - CPU SingleCore: 1294

\* Single graphics card benchmark scores

### > HIGHLIGHTS

- PCIe 4.0 hardware based
- Tested and certified for deployment around the world, warranty and support included
- Supports Delta Media Server®, Unreal®, Unity®, Notch® and TouchDesigner® applications
- Rack mount and silent configuration options for ease of integration into production environments
- State-of-the-art graphics cards supporting genlock, framelock and swaplock
- SMPTE ST 2110 support
- Optional integration with 7thSense Juggler® product for seamless switching, IntelligentSource™ signal failover, source compositing
- Front panel LCD touch interface for health status, live input and/or output viewing and IP configuration running from a dedicated Linux-based subsystem meaning no compromise on main system performance



## &gt; TECH SPECS



## &gt; HARDWARE SPECIFICATIONS

Video Outputs	4 × DisplayPort 1.4*
General Network	2 × 10 Gb/sec Ethernet
High Speed Network	2 × 100 Gb/sec Ethernet*
Data Peripherals	1 × USB 3.2 Gen 2x2 port 9 × USB 3.2 Gen 2 ports
Operating System	Windows® 10 Enterprise LTSC 21H2
Memory	128 GB DDR4 RAM*
Audio	8 × unbalanced analogue*
GPU	NVIDIA® RTX™ A6000*
Motherboard Technology	PCIe 4.0
Media Storage	2 × 3.6 TB NVMe SSD (PCIe 4.0)*
Power	1600 W (dual redundant)*
Mounting System	3U 19" rack mount

\*Customisable based on requirements  
Last updated: 12 Apr 2022

## THE POWER BEHIND THE STORY