



The **ByteSpeed 2U Server RS521A-E12** provides powerful performance, powered by AMD EPYC 9005 processors with 192 Zen 5c cores, 12-channel, up to 5200 MHz DDR5 and support for a maximum TDP of up to 400 watts. It features scale-up storage and expansion design, with up to 12 all-flash NVMe drives on the front panel, two drives in the rear panel, and five PCIe 5.0 slots for higher bandwidth and system upgrades. All ByteSpeed servers are backed by our excellent ByteSpeed 5-year warranty, Next Business Day Parts, and free lifetime tech support.

*ByteSpeed has many chassis and other customization options that aren't included on our website. Please contact your sales rep for additional options, or call 877-553-0777.*



## System Specifications

<b>Processor:</b>	5 <sup>th</sup> Generation AMD EPYC 9005
<b>OS:</b>	Windows Server 2025
<b>Dimensions:</b>	33.17" x 17.68" x 3.47"
<b>Memory:</b>	DIMM Speed 2DPC (1 of 2) up to 5200 with "6400 RDIMM", other 4800
<b>Memory Module Slots:</b>	24 DDR5 RDIMM slots Supports registered ECC DDR5 DIMMs only
<b>Maximum RAM:</b>	6TB MAX (2DPC)
<b>Management:</b>	ASUS Control Center (Classic) On-Board ASMB11-iKVM for KVM-over-IP
<b>Power Supplies:</b>	1+1 Redundant 1600W 80 Plus Platinum
<b>Storage Controllers:</b>	GRAID Supreme RAID Core Adaptec 9560-16i Adaptec 9660-16i
<b>RAID:</b>	HW RAID 0, 1, 5, 6, 10 *Depending on Controller

<b>Storage:</b>	[OPTION 1] Front bays: 12 x 2.5" Hot-Swap drive bays, 12 x SATA/SAS/NVMe Rear bays: 2 x 2.5" Hot-Swap drive bays, 2x SATA
<b>Slots:</b>	Up to 3 PCIe Gen5 slots + 1 OCP3.0 2 x PCIe Gen5 x16, FHFL or 4 x PCIe Gen5 x8, FHFL1 x PCIe Gen5 x8, LP 1 x OCP 3.0 Slot (PCIe Gen5 x16)
<b>Rack Support:</b>	Rail Kit
<b>Network Options:</b>	Intel E810 10/25GBE SFP28 x 2 Intel E810 10/25GBE SFP28 x 4 Intel E610-XT2 RJ45 Copper x 2
<b>Rear Ports:</b>	2 x USB 3.2 Gen1 ports 1 x VGA port 1 x Management port 2 x 1GbE LAN ports
<b>Warranty:</b>	5 Year NBD Parts Server Warranty
<b>Support:</b>	Lifetime Tech Support