

Altos BrainSphere™ R320 F5

Altos R320 F5 single-socket server delivers great performance and enterprise-level scalability in a space-saving design. Proactive management utilities effectively handle SMB as well as enterprise business operations, including departmental and branch office needs.

Smart investment for your growing business

Driven by Intel® Xeon® E family, with great memory capacity and high performance, this rack server uses Intel® C242 to ultimate performance, provide security, virtualization and power management. Flexible expansion slots, plus up to 4 x 3.5" hot-swappable HDD for data storage satisfy the demands of your growing business.

Meeting business needs with best value

Altos R320 F5 is packed with dependable server-class hardware, including an integrated dual ports Gigabit Ethernet controller for speedy and safe data transmission, and built-in 6-channel SATA with software RAID 0, 1, 5 or 10 to ensure data security.



Cost-effective expandability, green computing

Altos R320 F5 is designed with hot-swappable HDD bay chassis that enables easy component access, reducing maintenance and service costs. What's more, this rack server is equipped with an 80 PLUS® Gold power supply or 1+1 redundant 80 PLUS® Gold power supply for maximum energy efficiency.

Accelerate AI development

With Altos BrainSphere™ AI Development Platform API service agent, it integrates system, GPU and AI Deep Learning container management to fast build and deploy AI development environments.

CPU	Processor type	<ul style="list-style-type: none"> Single Intel® Xeon® E-2100 Processors Intel® 8th Gen. Core™ i3/Pentium/Celeron series
	Number of processors	1
On-board Devices	Chipset	Intel® C242
	SATA	Intel® C242 controller for 6 SATA3 (6 Gbps) ports
	SATA RAID ¹	Intel® C242 chipset with RSTe RAID support for SATA RAID 0, 1, 5, 10 ¹
	IPMI	ASPEED AST2500
	Graphics	ASPEED AST2500 BMC
	Network controller	Dual 1GbE LAN with Intel® I210
Memory	Memory slot	4 DIMM slots
	Memory type	DDR4-2666/2400/2133MHz ECC Unbuffered memory
Expansion slots	PCIe	1 PCI-E 3.0 x16 (thru Riser Card)
	M.2	1 M.2 2280/22110 slot (M-key, w/PCIe 3.0 x4)
I/O ports	Front I/O ports	<ul style="list-style-type: none"> 2 x USB 3.1 Gen1
	Rear I/O ports	<ul style="list-style-type: none"> 2 x RJ45 Ethernet LAN ports 1 x RJ45 Dedicated IPMI LAN port 1 x VGA port COM port header
	On-board ports	<ul style="list-style-type: none"> 2 x USB 3.1 Gen 1 2 x USB 2.0 1 COM port 1 x USB 3.1 Type A
Management & Security	Management	<ul style="list-style-type: none"> IPMI 2.0, KVM with dedicated LAN Smart Console remote monitoring Smart Server Manager
	TPM	1 TPM Header (optional for TPM module)
Drive Bays	Media bays	1 x Optical Disk Drive
	Storage bays	4 x 3.5" hot-swappable bays
Power Supply		<ul style="list-style-type: none"> 315W (80Plus Gold) Fixed or 300W (80Plus Gold) 1+1 Redundant Power Supply
System Cooling		<ul style="list-style-type: none"> Passive Heat-Sink with Air-duct 3 x Fixed system fan
Form Factor	Form factor	1U Rack
	Dimension (D x W x H)	711 x 482.6 x 44.4 (mm)
Software		Altos BrainSphere™ AI Development Platform API
OS		<ul style="list-style-type: none"> Microsoft® Windows Server® 2019 / 2016 Red Hat® Enterprise Linux®

1. Integrated SATA RAID supports RAID 0, 1, 5, 10 on Windows® OS only

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About Altos

Altos Computing Inc. (abbr. Altos) is established in 2017 and it is a subsidiary of Acer Inc. The business model of Altos is to provide the best streamlined and cost-effective integrated solutions thru in-house R&D working with ODM/IHV/ISV on servers, workstations, thin client, network and storage. In the era of demanding speed, Altos provides leading solution included, but not limited to High Performance Computing, Virtual Desktop Infrastructure, Cloud Infrastructure and Software Defined Storage, etc. Altos provides solutions and services to government, academia, cloud service providers, datacenter operators and enterprises.

