Altos BrainSphere™ R369 F4

Altos BrainSphere™ R369 F4, equipped latest Intel® Xeon® Scalable series CPU, is a robust two-socket 1U system that is ideal for almost any type of applications. This dynamic and balanced system can function as a database server for Big Data Analytics, a computing node for your HPC (High-Performance Computing) environments, or used for virtualization purposes in your cloud infrastructure. Extremely powerful and highly efficient, this system functions as the core for your most demanding data-center needs.

Rich Computing Power

Powered by Intel® Xeon® Scalable series with TDP up 205W and 6 channels of memory per socket, these dual Intel Xeon® processor strikes the perfect balance of computing power, memory, and raw IO, to deliver most optimized performance and support most demanding workloads.

Excellent Expandability

In additional, Altos BrainSphere™ R369 F4 provides up to 24 of DDR4 DIMM slots, up to 3 PCIe slots, and up to 10 2.5" drive bays, to perfectly fulfill demands of high-capacity memory and storage.

Robust Availability

Altos BrainSphere™ R369 F4 supports 1+1 redundancy power supply and it comes with multiple options, from 550W, 800W to 1200W 80 PLUS Platinum power to offer flexibility to meet customer's target budget, while leverage cost/performance. Additionally with eight hot- swappable system fans, it supports high system availability.

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	• Intel® 1st and 2nd Gen Xeon® Scalable series processor, TDP Up to 205W • Intel® Xeon® Platinum, Gold, Silver and Bronze series processor
	Number of processors	2
On-board Devices	Chipset	Intel® C621 Express
	IPMI	ASPEED AST2500
	Graphics	ASPEED AST2500 BMC
	Network controller	• Dual 1GbE LAN ports with Intel® I350-AM2 • One 10/100/1000 management LAN port
Memory	Memory slot	24 DIMM slots
	Memory type	6-Channel, DDR4 2933Mhz RDIMM / LRDIMM
	Memory density	RDIMM Up to 64GB, LRDIMM Up to 128GB
Expansion slots	PCIe	• 2 x PCIe x8 slot (Gen3 x8), Low profile half-length • 1 x PCIe x16 slots (Gen3 x16), Low profile half-length • 2 x OCP mezzanine slots (PCIe Gen3 x 16, type P1, P2, P3, P4, K2, K3)
I/O ports	Front I/O ports	• 2 x USB3.0 ports (for 4 x 3.5" sku) • 1 x USB3.0 port (for 10 x 2.5" sku)
	Rear I/O ports	• 1 x VGA port • 2 x USB 3.0 ports • 1 x COM port (RJ45 Type) • 2 x RJ45 LAN ports • 1 x RJ45 management LAN port
Cooler System		8 x System Fan 40x40x56mm (23000rpm)
Management & Security	Server Management	• IPMI 2.0, KVM with dedicated LAN • Altos Smart Server Manager • Smart Console remote monitoring
	System Security	• 1 x TPM Header ; Optional TPM 2.0 module (LPC Interface)
Software/Utility		Altos BrainSphere™ AI Development Platform API
Drive Bays	4 x 3.5" sku	• 4 x 3.5"/2.5" bay SAS/SATA hot-swappable HDD/SSD + 1 x 2.5" Internal Fixed bay SATA HDD/SSD • Optional Optical disc drive (**12.7mm ODD only**)
	10 x 2.5" sku	• 10 x 2.5" SATA or 8 x 2.5" SAS + 2 x 2.5" bay SATA HDD/SSD • SAS card is required for SAS HDD/SSD support
Power supply		• 2 x 1200W redundant power supply, 80 PLUS Platinum • 2 x 800W redundant power supply, 80 PLUS Platinum • 2 x 550W redundant power supply, 80 PLUS Platinum
Form factor	Form factor	1U, Rackmount
	Dimensions (D x W x H)	730 x 438 x 43.5 mm approximately
Tested OS		• Window Server 2022, 2019, 2016 • VMware ESXI 7.0 U2 • Red Hat® Enterprise Linux® 7.x and 8.0
Regulatory Compliance	EMC	CE FCC BSMI
	Safety	CB MET BSMI

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.

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