

Altos BrainSphere™ R370 F5

Altos BrainSphere™ R370 F5, equipped dual Dual 3rd Gen Intel® Xeon® Scalable series processors, is a robust two-socket 2U 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 3rd Gen Intel® Xeon® Scalable processors, with 8 channels of memory per socket, the 3rd Gen Intel® Xeon® Scalable processors strikes the perfect balance of threads/cores, memory, and raw IO, to deliver most optimized performance and support most demanding workloads.

Excellent Expandability

In additional, Altos BrainSphere™ R370 F5 provides 16 DDR4-3200 DIMM slots, 5 PCIe slots and 1 internal PCIe slots, total of twelve 3.5" or 2.5" drive bays, to perfectly fulfill demands of high-capacity memory and storage.

Robust Availability

The BrainSphere™ R370 F5 has dual 800W/1200W PSU options, to support 1+1 redundancy.



CPU	Processor type	<ul style="list-style-type: none"> 3rd Gen Intel® Xeon® Scalable Processors
	Number of processors	2
On-board Devices	Chipset	Intel® C621A Chipset
	IPMI	ASPEED AST2600
	Graphics	ASPEED AST2600 BMC
	Network controller	<ul style="list-style-type: none"> Networking Options (Dual 1GbE LAN , one 1GbE For IPMI) One 10/100/1000 management LAN port
Memory	Memory slot	(8 + 8) DIMM slots
	Memory type	8-Channel per CPU, DDR4 ECC RDIMM/RDIMM 3DS/LRDIMM/LRDIMM 3DS 3200 Up to 1,024GB RDIMM/ 2,048GB LRDIMM/ 2,048GB RDIMM 3DS/LRDIMM 3DS *Follow latest Intel DDR4 Memory POR
Expansion slots	PCIe	2x PCI-E Gen4 x8
		3x PCI-E Gen4 x16
	M.2	2x NVMe 22110 / 2280 M.2 slots
I/O ports	Front I/O ports	<ul style="list-style-type: none"> 2 x USB 3.0 ports
	Rear I/O ports	<ul style="list-style-type: none"> 1 x RJ45 management LAN port
	Rear I/O ports	<ul style="list-style-type: none"> 1 x VGA port 2 USB 3.0 ports
Management & Security	Server Management	<ul style="list-style-type: none"> Altos Smart Server Manager
	System Security	<ul style="list-style-type: none"> 1 TPM 2.0 Optional
Drive Bays	LFF SKU	<ul style="list-style-type: none"> 8 / 12 x 3.5" (2.5" Optional on 3.5" Bays)
Power supply	LFF SKU	<ul style="list-style-type: none"> 2 x 800W/ 1200W redundant power supply options
Form factor	Form factor	2U, Rackmount
Tested OS		<ul style="list-style-type: none"> Windows Server 2022 / 2019 Red Hat® Enterprise Linux®

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.

In a continuing effort to improve the quality of our products, information in this brochure is subject to change without notice.

CPU Compatibility List

3rd Gen Intel® Xeon® Scalable Processors

Processor	Cache	Core	TDP
Gold 5318Y	(36M Cache 2.1GHz)	24	165W
Gold 5320	(39M Cache 2.2GHz)	26	185W
Gold 6330N	(42M Cache 2.20GHz)	28	165W
Gold 6334	(18M Cache 3.6GHz)	8	165W
Gold 6338	(48M Cache 2.00GHz)	32	205W
Platinum 8352S	(48M Cache 2.20GHz)	32	205W
Platinum 8362	(48M Cache 2.8GHz)	32	265W