

Altos BrainSphere™ R370 F6

Altos BrainSphere™ R370 F6 is a powerful Dual socket 2U system designed to deliver outstanding performance, featuring the 4th/5th generation Intel® Xeon® Scalable series processors. The system is designed to meet a variety of application requirements, including big data analytics, high-performance computing, virtualization, edge computing, and cloud computing.

Rich Computing Power

Powered by 4th/5th Gen Intel® Xeon® Scalable processors, with 8 channels of memory per socket, the 4th/5th Gen Intel® Xeon® Scalable processors strike the perfect balance of threads/cores, memory, and raw IO, to deliver optimized performance and support most demanding workloads.

Excellent Expandability

In addition, Altos BrainSphere™ R370 F6 provides 32 DDR5- DIMM slots, 4x FHHL Dual Slot PCIe Gen5 x16 Slots , 2x OCP 3.0 Gen5 x16 Slots and total of 12x 3.5” or 2.5” Gen5 NVMe/SATA/SAS-4 drive bays on Front and 2x 2.5” SATA/SAS drive bays on Rear, to perfectly fulfill demands of high-capacity memory and storage.

Robust Availability

The BrainSphere™ R370 F6 has dual 1600W PSU, 80 PLUS Platinum, to support 1+1 redundancy.



CPU	Processor type	• Dual 5th/4th Gen Intel® Xeon® Scalable Processors	
	Number of processors	2	
On-board Devices	Chipset	Intel® C741 Chipset	
	IPMI	ASPEED AST2600	
	Graphics	ASPEED AST2600 BMC	
	Network controller	<ul style="list-style-type: none"> • 2 x 1Gb/s LAN ports (1 x Intel® I350-AM2) - supports NCSI function • 1 x 10/100/1000 Mbps Management LAN 	
Memory	Memory slot	32 DIMM slots (16 + 16)	
	Memory type	8-Channel DDR5 memory RDIMM up to 96GB supported 3DS RDIMM up to 256GB supported Memory speed: Up to 5600 MT/s (1DPC), 4400 MT/s (2DPC)	
Expansion slots	PCIe	2 x FHHL Dual-slot PCIe Gen5 x16 slots 2 x FHHL Single-slot PCIe Gen5 x16 slots	
	OCP 3.0	2 x OCP 3.0 Gen5 x16 slots (supports NCSI function)	
I/O ports	Front I/O ports	• 2 x USB 3.2 Gen1	
	Rear I/O ports	<ul style="list-style-type: none"> • 2 x USB 3.2 Gen1 • 1 x Mini-DP 	<ul style="list-style-type: none"> • 2 x RJ45, 1 x MLAN • 1 x MLAN
Management & Security	Server Management	• IPMI2.0, KVM with dedicated LAN	
	System Security	• 1 x TPM header with SPI interface	
Drive Bays	LFF SKU	<ul style="list-style-type: none"> • Front: 12 x 3.5"/2.5" NVMe/SATA/SAS-4* hot-swappable bays • Rear: 2 x 2.5" SATA/SAS-4* hot-swappable bays *SAS card is required for SAS devices support	
Power supply	LFF SKU	• 2 x 1600W Platinum redundant power supply	
Form factor	Form factor	2U, Rackmount	
Tested OS		<ul style="list-style-type: none"> • Windows Server 2022 / 2025 • 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.