Altos BrainSphere™ R385 F6

Altos BrainSphere™ R385 F6 is a powerful dual-socket 2U system designed to deliver exceptional performance, powered by the latest generation AMD EPYC™ 9004 / 9005 series processors. This system offers high core counts, large memory bandwidth, and advanced I/O expandability, making it ideal for a wide range of applications including, but not limited to, big data analytics, high-performance computing (HPC), virtualization, edge computing, and cloud computing

Rich Computing Power

Powered by AMD EPYC™ 9004 / 9005 series processors, featuring up to 128 cores and 12 channels of DDR5 memory per socket, the EPYC processors deliver an exceptional balance of core/thread density, memory bandwidth, and I/O throughput. This enables highly optimized performance and efficient support for the most demanding and data-intensive workloads.

Excellent Expandability

Altos BrainSphere™ R385 F6 provide 24 of DDR5-6000MT/s DIMM slots, can support maximum Two GPU, total of Twelve 3.5”/ 2.5” drive bays, to perfectly fulfill demands of high-capacity memory and storage.

Specification

Processor	Processor type	AMD EPYC™ 9005/9004 Series Processors. TDP 400W	
		Support GPU CPU TDP is 300W	
	Number of processors	2	
On-board Devices	BMC	AST2600 Video Redirection up to 1920x1200	
Memory	Memory Slot	24 DIMM Slots	
	Memory type	12-Channel, 6400MHz ECC RDIMM	
Expansion Slots	PCIe / PCI	4 x PCI-E 5.0 x16 slots and 1x PCI-E 5.0 x 8 slots	
		Maximum support Two H100HVL, L40s, 6000 Ada	
	OCP 3.0	1 x PCI-E 5.0 x16 OCP 3.0 slot and 1 x PCI-E 5.0 x 8 OCP 3.0 slot	
	M.2	2 x M.2 2280 slots (Support NVMe)	
I/O Port	Front I/O Port	1 x VGA Port	1x UID Button
		1 x Power Button	1x Reset Button
		1 x USB 3.2 Gen1 Type-A port	
		1 x USB 2.0 port Type-A Port	
	Rear I/O Port	1 x Power Button	1x Reset Button
		2 x USB 3.2 Gen1 Type-A Ports	
		1 x RJ45 Port (Dedicated BMC LAN Port)	
		1 x Mini Display Port	
Network		Options OCP and PCI-E Lan card to support Network	
Drive Bays	Front 3.5”/2.5”	SAS card is required to enable SAS drives.	
		4 x 3.5” /2.5” SATA or 12 x 2.5” NVMe hot-swappable bays	
		12 x 3.5” /2.5” SATA/SAS hot-swappable bays (option HBA or Raid Card)	
	Rear 2.5”	2 x 2.5” SATA hot-swappable bays	
Management & Security	Management	IPMI2.0, KVM with dedicated LAN	
	Security	TPM 2.0 onboard	
Power Supply		2 x 2400W 80Plus Titanium CRPS Redundant power supply	
Form factor	Dimensions	2U 770(D) x 438 (W) x 87(H) mm	
OS support	Windows	Microsoft® Windows Server 2025 /2022	
	Linux	REHL 10/9.5, Ubuntu 24.04 64bit Server	
OS Certification	Windows	Microsoft® Windows Server 2025	
	Linux	ESXi 8.0 U3 (vSAN 8.0 Update 3),ESXi 8.0 U2 (vSAN 8.0 Update 2),ESXi 8.0 U1 (vSAN 8.0 Update 1)	
		REHL 10	
EMC/Safety	EMC/Safety	CE, FCC, BSMI, CB	

About Altos
Altos Computing Inc. (abbr. Altos) was established in 2017 as a subsidiary of Acer Inc. Built on agile R&D capabilities and a comprehensive partner ecosystem, Altos integrates ODM, IHV, and ISV technologies to deliver end-to-end solutions covering AI servers, workstations, thin clients, interactive displays, networking, and storage devices.
In the AI-driven era, Altos focuses on artificial intelligence and cloud solutions, high-performance computing (HPC), virtual desktop infrastructure (VDI/IDV), and hyper-converged infrastructure (HCI), helping enterprises accelerate digital transformation and innovation. Its customers include AI and deep learning developers, enterprises, public sector organizations, academic and research institutions, financial services, cloud service providers, and data center operators. Altos is committed to driving the future of intelligent computing.

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