

# Altos BrainSphere™ R365 F4

The BrainSphere R365 F4, equipped dual AMD EPYC 7000 Series processors, 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

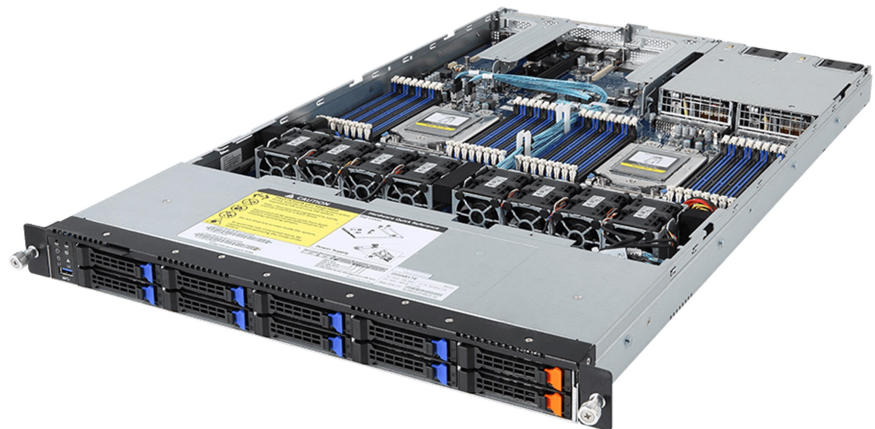
Powered by AMD EPYC 7000 CPUs, with 32 cores and 8 channels of memory per socket, the AMD EPYC processor strikes the perfect balance of threads/cores, memory, and raw IO, to deliver most optimized performance and support most demanding workloads.

## Excellent Expandability

In addition, BrainSphere R365 F4 provides 32 of DDR4-2666 DIMM slots, 6 PCIe slots, and a total of ten 2.5” drive bays, to perfectly fulfill demands of high-capacity memory and storage.

## Robust Availability

The BrainSphere R365 F4 has dual 1,200W PSU, 80 PLUS Platinum, to support 1+1 redundancy. Four hot-swappable system fans, to support high system availability..



<b>Mainboard</b>	Processor type	Dual AMD EPYC 7000 Series Up-to 32 Cores per socket			
	Chipset	SOC			
	Graphics	Aspeed AST2500 Up to 1,920 x 1,200 resolution			
	Memory	Memory Channels per socket	8		
		Memory type	DDR4-2666(1DPC)/2400/2133 RDIMM//LRDIMM		
	Capacities	Up to 2,048GB (with 64GB RDIMM) / 4,096GB (with 128GB LRDIMM)			
	DIMM slots	32			
	Expansion slots	1x PCIe x16 HH/HL slot 2x PCIe x8 HH/HL slots 2x OCP x16 Mezzanine slot 1x M.2 PCIe x4 slots (support NGFF-2242/2260/2280)			
	Onboard ports	Front: LED indicators: Power button, ID button, System Status LED indicators: HDD activity, 2x LAN activity Buttons: Reset, NMI 1 x USB 3.0 ports Rear: 2 x 1GbE LAN ports RJ-45 1x Management port RJ-45 1x COM port(RJ-45) 2 x USB 3.0 ports 1x VGA port LED indicators: ID			
	LAN controller	Dual-port 1GbE (Intel I350-AM2) 1x 10/100/1000 for Management			
<b>Security and service features</b>		Administrator /user password	Power-on password	Setup password	Device boot control
<b>Sub-system availability</b>	Power supply	1+1 redundant, hot-swappable power supply units. 1,200W 80 PLUS® Platinum AC power supply			
	System cooling	8 x 40mm x 40mm x 56mm hot-swappable fans (23,000rpm)			
	Storage	2 x 2.5" U.2, 8x 2.5" SATA/SAS HDD/SSD drive bays			
<b>Chassis</b>	Form factor	1U rack optimized			
	Dimensions	438mm (W) x 710mm (D) x 43.5mm (H)			
<b>OS/Hypervisor support</b>		Microsoft® Windows Server® 2016 SUSE® Linux® Enterprise Server 11 SP4, 12 SP2 VMware ESXi 6.5	Microsoft® Windows Server® 2012 R2 Red Hat® Enterprise Linux® 6.9, 7.3 Ubuntu 16.04, 17.04		
<b>Server management utilities and applications</b>		Acer Smart Server Manager v1.3 Embedded BMC controller with IPMI 2.0 compatibility System ID LED buttons, System Status LED Remote monitoring and KVM over IP management			
<b>Warranty</b>		3-year standard warranty or choose extended warranties and services <sup>1</sup>			
<b>Regulatory compliance</b>	Emissions classification (EMC)	FCC (Class A)	CE (Class A)		
	Industry standard compliance / safety	CB	CB		BSMI

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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.

