

# Altos BrainSphere™ R360 F5

The BrainSphere™ R360 F5, equipped dual Dual 3rd Gen Intel® Xeon® Scalable processors up to 270W TDP 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 3rd Gen Intel® Xeon® Scalable processors, with 40 cores and 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™ R360 F5 provides 32 of DDR4-3200 DIMM slots, 3 PCIe slots and 1 internal PCIe slots, total of twelve 2.5" drive bays, to perfectly fulfill demands of high-capacity memory and storage.

## Robust Availability

The BrainSphere™ R360 F5 has dual 1,200W PSU, 80 PLUS Titanium, to support 1+1 redundancy.



Specification		
Processor	Processor type	Intel 3 <sup>rd</sup> Xeon Scalable Processor, TDP 270W
	Number of processors	2
On-board Devices	Chipset	Intel® C621A
	IPMI	AST2600
	Graphics	AST2600 Video Redirection up to 1920x1200
Memory	Memory Slot	32 DIMM Slots
	Memory type	DDR4 3200 MHz ECC RDIMM
Expansion Slots	PCIe / PCI	2 x PCIe x16 slots (Gen4 x16), full high half-length
		1 x PCIe x16 slot (Gen4 x16), Low profile half-length
		1 x PCIe x16 slot (Gen4 x16) internal Slots (need select network option module)
I/O Ports	Front I/O Port	1 x USB 3.0 ports (only R360 F5 SFF)
	Rear I/O Port	1 x VGA port
		1 x COM port      2 USB 3.0 ports
		1 x RJ45 management LAN port
Network		Networking Options(Dual 10GbE SFP+, Dual 10GBaseT, or No NIC)
		One 10/100/1000 management LAN port
Storage	LFF SKU	4 x 3.5” NVMe/SAS/SATA(SAS/NVMe support requires additional parts) hot-swappable bays for HDD/SSD
	SFF SKU	12 x 2.5” NVMe/SAS/SATA(SAS/NVMe support requires additional parts) hot-swappable bays for HDD/SSD
	Raid	Intel PCH 621A; RAID0/1/5/10 support
Management & Secu- rity	Management	IPMI2.0, KVM with dedicated LAN
	Security	1 TPM Header ; Optional TPM 2.0 module
Power Supply		2 x 1200W 80Plus Titanium CRPS Redundant power supply
Form factor	Form factor	1U, Rackmount
	Dimensions (D x W x H)	754 x 437 x 43 mm approximately
OS support	Windows	Microsoft® Windows Server 2022 /2019
	Linux	REHL 9.0 /8.5 , Ubuntu 22.04 64bit Server
OS Certification	Windows	Microsoft® Windows Server 2022 /2019
	Linux	ESXi 7.0 U3 (vSAN 7.0 Update 3), ESXi 7.0 U2 (vSAN 7.0 Update 2)
Certification		EnergyStar 3.0
EMC/Safety	EMC	CE    FCC    BSMI
	Safety	CB

**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.