

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

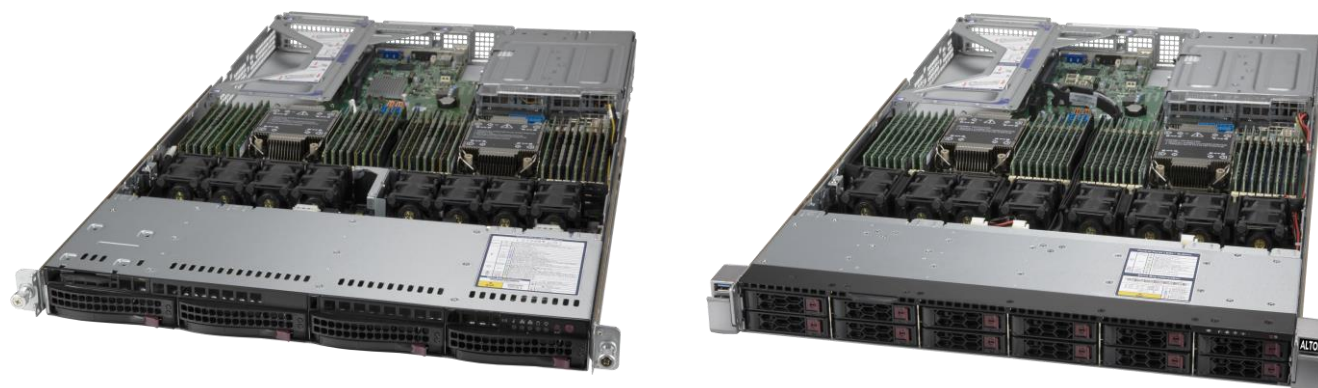
Powered by 3rd Gen Intel® Xeon® Scalable processors, with 40 cores and 8 channels of memory per socket, the 3rd Gen Intel® Xeon® Scalable processors strikes the perfect balance of threads/cores, memory, and raw IO, to deliver most optimized performance and support most demanding workloads.

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.



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|-----------------------|--|--|-----|------|
| CPU | Processor type | <ul style="list-style-type: none">• 3rd Gen Intel® Xeon® Scalable Processors• Up to 40-core; TDP up to 270W | | |
| | 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 10GbE SFP+, Dual 10GBaseT, or No NIC)• One 10/100/1000 management LAN port | | |
| Memory | Memory slot | 32 DIMM slots | | |
| | Memory type | 8-Channel, 3200/2933/2666 ECC DDR4 RDIMM / LRDIMM | | |
| Expansion slots | PCIe | <ul style="list-style-type: none">• 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 ports | <ul style="list-style-type: none">• 1 x USB 3.0 ports (only R360 F5 SFF) | | |
| | Rear I/O ports | <ul style="list-style-type: none">• 1 x VGA port• 1 x COM port• 1 x RJ45 management LAN port• 2 USB 3.0 ports | | |
| Management & Security | Server Management | <ul style="list-style-type: none">• IPMI2.0, KVM with dedicated LAN• Altos Smart Server Manager• Smart Console remote monitoring | | |
| | System Security | <ul style="list-style-type: none">• 1 TPM Header ; Optional TPM 2.0 module | | |
| Software/Utility | Altos BrainSphere™ AI Development Platform API | | | |
| Drive Bays | LFF SKU | <ul style="list-style-type: none">• 4 x 3.5” NVMe/SAS/SATA(SAS/NVMe support requires additional parts) hot-swappable bays for HDD/SSD | | |
| | SFF SKU | <ul style="list-style-type: none">• 12 x 2.5” NVMe/SAS/SATA(SAS/NVMe support requires additional parts) hot-swappable bays for HDD/SSD | | |
| Power supply | <ul style="list-style-type: none">• 2 x 1200W redundant power supply, 80 PLUS Titanium | | | |
| Form factor | Form factor | 1U, Rackmount | | |
| | Dimensions (D x W x H) | 754 x 437 x 43 mm approximately | | |
| Tested OS | <ul style="list-style-type: none">• Window Server 2022 and 2019• Red Hat® Enterprise Linux® 8.0• VMware ESXI 6.7 and 7.0 | | | |
| Regulatory Compliance | EMC | CE | FCC | BSMI |
| | Safety | CB | | |

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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.

