Altos BrainSphere^{TM} R380 F6

Altos BrainSphere™ R380 F6 is a powerful Dual-socket 2U system designed to deliver outstanding performance, featuring the fourth generation Intel® Xeon® Scalable series processors. The system is designed to meet a variety of application requirements, including but not limited to big data analytics, high–performance computing, virtualization, edge computing, and cloud computing.

Rich Computing Power

Powered by 5th/4th Gen Intel® Xeon® Scalable processors, with 60 cores and 8 channels of memory per socket, the 5th/4th 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

Altos BrainSphere™ R380 F6 provide 32 of DDR5-4800 DIMM slots , 6 PCIe slots can support maximum Four GPU , total of Twelve 3.5"/ 2.5" drive bays, to perfectly fulfill demands of high-capacity memory and storage.

Robust and Reliable Computing

The BrainSphere^{TM} R380 F6 has dual 1,200W PSU, 80 PLUS Titanium, to support

1+1 redundancy. 。

Specification

Processor	Processor type	Intel 5th/4th Gen Intel® Xeon® Scalable processors, TDP up to 350W
	Number of processors	2
On-board Devices	Chipset	Intel® C741 chipset
	BMC	AST2600 Video Redirection up to 1920x1200
Memory	Memory Slot	32 DIMM Slots
	Memory type	8-Channel, 5600/4800MHz ECC RDIMM
Expansion Slots	PCIe / PCI	2 x PCI-E 5.0 x16 slots and 4x PCI-E 5.0 x 8 slots
	PCIe / PCI (GPU)	4 x PCI-E 5.0 x16 slots
		Maximum support Four H100, L40s, L40, A100
	OCP 3.0	1 x OCP 3.0 x16 slots
	M.2	2 x M.2 2280/22110 slots (Support NVMe SSD or SATA3)
I/O Port	Rear I/O Port	2 x USB 3.0 Type-A Ports
		1 x RJ45 Port (Dedicated BMC LAN Port)
		1 x VGA Port
Network		Default not have on-board NIC, need optional OCP or PCI-E Lan card to support
	OCP 3.0	2 x 1GbE RJ45 Ports (options)
		2 x 10GbE RJ45 Ports (options)
		2 x 1GbE RJ45 Ports and 2x 10GbE SFP+ Ports (options)
		2 x 25GbE SFP28 Ports (options)
		2 x 100GbE SFP28 Ports (options)
	PCIe	2 x 1GbE RJ45 Ports (options)
		4 x 1GbE RJ45 Ports (options)
		2 x 10GbE RJ45 Ports (options)
		2 x 10GbE SFP+ Ports (options)
		4 x 10GbE SFP+ Ports (options)
Drive Bays	3.5"/2.5"	SAS card is required to enable the SAS drives.
		8 x 3.5" /2.5" SATA hot-swappable bays
		12 x 3.5" /2.5"SATA/SAS hot-swappable bays (option HBA or Raid Card)
		12x 2.5" NVMe hot-swappable bays (option NVMe cable)
Management & Security	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
		2 x 2000W 80Plus Titanium CRPS Redundant power supply (Options)
Form factor	Dimensions	2U 803(D) x 437 (W) x 88.9(H) mm
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
	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)
Certification		EnergyStar 4.0
EMC/Safety	**EMC/Safety**	CE FCC BSMI CB