

Altos BrainSphere™ P550 F4

BrainSphere™ P550 F4 offering extreme performance and expandability, an ideal choice for intensive computing and rendering tasks. Enterprise-level expandability and redundancy allow BrainSphere™ P550 F4 to tackle even the largest projects with confidence.

Processing power for demanding design and analysis

BrainSphere™ P550 F4 provides performance and reliability for our most demanding users, like designers, engineers and research professionals. Harnessing up to two Intel® processors and NVIDIA® Quadro® GPUs, this system can offload CPU processing with CUDA enabled applications to deliver amazing processing performance.

High-end components for speedy computing

BrainSphere™ P550 F4 features Intel® architecture, up to 2TB memory, and fast dual-port Ethernet. It uses up to two industry-leading processors to handle large workloads efficiently and contains flexible expansion slots and abundant space for data storage.

Built for flexibility and quiet efficiency

With its spacious case, BrainSphere™ P550 F4 is built for easy access to hard drive bays and card expansion. This workstation is equipped with a quiet 80 PLUS® Platinum certified power supply for maximum energy efficiency.

Accelerate AI development

With Altos BrainSphere™ AI Development Platform API service agent, it integrates system, GPU and AI Deep Learning container management to fast build and deploy AI development environments.



CPU	Processor type	<ul style="list-style-type: none"> Intel® Xeon® Scalable Processors Cascade Lake/Skylake
	Number of processors	2
On-board Devices	Chipset	Intel® C621
	SATA	10 SATA3 (6 Gbps) ports (via Intel® C621 controller)
	SATA RAID ¹	Intel® C621 chipset with RSTe RAID support for SATA RAID 0, 1, 5, 10 (supports Windows OS Only)
	IPMI	ASPEED AST2500
	Graphics	ASPEED AST2500 BMC
	Network controller	Dual LAN with Intel® X550 10GBase-T Ethernet Controller
Memory	Memory slot	16 DIMM slots
	Memory type	2933/2666/2400/2133MHz ECC DDR4 RDIMM, LRDIMM
Expansion slots ²	PCIe	<ul style="list-style-type: none"> 6 PCI-E 3.0 x16 (in x16) 1 PCI-E 3.0 x4 (in x8)
	M.2	1 M.2 2280/22110 slot (M-key, w/PCIe 3.0 x4)
I/O ports	Front I/O ports	<ul style="list-style-type: none"> 2 USB 3.1 Gen1 ports Front Audit jack
	Rear I/O ports	<ul style="list-style-type: none"> 1 VGA port 2 USB 2.0 ports 1 COM port 2 USB 3.1 Gen1 ports 1 Dedicated IPMI LAN port
Management & Security	Server Management	IPMI2.0, KVM with dedicated LAN
	System Security	1 TPM Header
Drive Bays	Storage bays	8x 3.5" hot-swappable bays
	ODD bays	2x 5.25"
Power supply		2200W 1+1 Redundant power supplies with 80plus® Titanium level efficient
Form factor	Form factor	Tower
	Dimensions (D x W x H)	673 x 178 x 4262 mm approximately
Supported OS		<ul style="list-style-type: none"> Microsoft® Windows 10 (64 bit) Windows Server 2019 Red Hat® Enterprise Linux® 7.3
Self-Tested ISV(CAD/CAE) Software		<ul style="list-style-type: none"> 3DS Max 2020, Maya 2019, KeyShot® 8.2, Creo Parametric 6.0, HyperWorks®
Regulatory Compliance	EMC	CE(Class B) FCC(Class B) BSMI(Class B)
	Safety	CB
Warranty		3-year standard warranty or choose extended warranties and services ³
Others	System Cooling	Optimized Cooling Technology

1. Microsoft® Windows OS Only

2. Two CPUs required for supporting all slots.

3. Extended warranty services may vary by country. Please contact your Altos authorized reseller for more information.

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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.

