Altos BrainSphere™ P530 F4

Offering extreme performance and expandability, the BrainSphere™ P530 F4 workstation is an ideal choice for intensive computing and rendering tasks. Enterprise-level expandability and redundancy allow the BrainSphere™ P530 F4 to tackle even the largest projects with confidence.

Processing power for demanding design and analysis
The BrainSphere™ P530 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
The BrainSphere™ P530 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, the BrainSphere™ P530 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	• 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 Windwos OS Only)
	IPMI	ASPEED AST2500
	Graphics	ASPEED AST2500 BMC
	Network controller	Dual LAN with GbE from C621
Memory	Memory slot	16 DIMM slots
	Memory type	2933/2666/2400MHz ECC DDR4 RDIMM, LRDIMM
Expansion slots[2]	PCIe	• 4 PCI-E 3.0 x16 (in x16)
		• 2 PCI-E 3.0 x8 (in x8)
	M.2	1 M.2 2280/22110 slot (M-key, w/PCIe 3.0 x4)
	NVMe	2x NVMe support with optional cables
I/O ports	Front I/O ports	• 2 USB 3.0 ports • Front Audit jacks
	Rear I/O ports	• 1 VGA port • 4 USB 3.0 ports
		• 2 USB 3.1 ports(1x Type C& 1x Type A)
		• 5x audio jacks(7.1 HD Audio), 1x SPDIF port
Management & Security	Server Management	IPMI2.0
	System Security	1 TPM Header
Drive Bays	Storage bays	4 Fixed 3.5" drive bays((90° rotatable drive cage)
		4 2.5" fixed drive bays(Optional)
	ODD bays	2 5.25" bays
Power supply		1200W power supply with 80 PLUS® Platinum-level efficient
Form factor	Form factor	Tower
	Dimensions (D x W x H)	525.3 x 193 x 424 mm approximately
Supported OS		• Microsoft® Windows 10 (64 bit)
		• Red Hat® Enterprise Linux® 7.3
Self-Tested ISV(CAD/CAE) Software		• 3DS Max 2020, Maya 2019, KeyShot® 8.2, Creo Parametric 6.0
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]

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.

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.

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