Altos BrainSphere™ P130 F7 SFF

The BrainSphere™ P130 F7 SFF supports Xeon W-1300 family, 11th Generation Intel® Core™ Processors to handle workloads with higher efficiency. BrainSphere™ P130 F7 support PCIe Gen4 expansion slots and M.2 NVMe SSD makes good flexibility to improve processing performance and data storage speed. Design applications for users with long-term usage needs, performance focus, flexible expansion etc.

Powerful performance, High-quality output

The BrainSphere™ P130 F7 SFF support 11th Generation Intel® Core™ Processors to provides stable performance, with Intel® UHD Graphics high-quality display technology. Support a variety of the latest NVIDIA® graphics cards and the latest Wi-Fi 6 to further get rid of the limitation of distance.

Easy expandability, green computing

The BrainSphere™ P130 F7 SFF is built for easy access to hard drive bays and card expansion to reduce the maintenance cost. This workstation is equipped with a quiet 80 PLUS® power supply for maximum energy efficiency.

Remote control, Lower the cost

The Intel vPro® platform is built specifically for enterprises. This platform combines business-level performance, hardware-enhanced security features, modern continuous management capabilities, and computer equipment stability. Accelerate improvement and reduce costs, and have a better user experience.

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	• Xeon W-1300/W-1200 series or 11th/10th Core™ i9/i7/i5/i3 series	
	Number of processors	1	
On-board Devices	Chipset	Intel® W580 Chipset	
	SATA	4 SATA3 (6 Gb/s) ports	
	SATA RAID	Intel onboard software RAID 0, 1, 5, 10 (only supports Windows OS)	
	Graphics	Intel® UHD Graphics Support (by CPU)	
	Network controller	1 Gb/s (10/100/1000) BASE-T LAN port (Intel® I219LM)	
	Audio controller	Realtek ALC897	
Memory	Memory slot	4 DIMM slots (Dual channel)	
	Memory type	Up to 128GB, ECC or Non ECC UDIMM, DDR4 3200 MHz	
Expansion slots	PCIe	• 1 PCI-E 4.0 x16 slot (Core 11th/W-1300 CPU only; Core 10th CPU with PCI-E 3.0)	
		• 1 PCI-E 3.0 x4 slot	
		• 1 PCI-E 3.0 x1 slot	
	M.2	• 1 M.2 2280 PCI-E 4.0 slot (Core 11th/W-1300 CPU only)	
		• 1 M.2 2280 PCI-E 3.0 slot	
		• 1 M.2 2230 PCI-E 3.0, E Key for Wi-Fi & Bluetooth	
I/O ports	Front I/O ports	• 1 USB 3.2 Gen1 port(Type C)	• Audio jacks (Mic in/Out)
		• 2 USB 3.2 Gen1 ports	• Option: Multi-Card Reader
		• 2 USB 2.0 ports	
	Rear I/O ports	• 1 Display Port 1.4	• 1 Gigabit LAN port (RJ-45)
		• 1 HDMI Port	• 4 USB 3.2 Gen1 ports
		• 2 USB 3.2 Gen2 ports(Type-A)	• 3 Audio jacks (Line in/Front Speaker/Microphone)
Management & Security		• Intel vPro®	
		• Option: TPM v2.0 module	
		• Option: Altos Smart Server Management software	
Drive Bays	Media bay	• 1 x 5.25" bay, 1 x 3.5" bay	
	Storage bay	• 1x 3.5" bay, 1x 2.5" bay	
Power supply		• 300W 80 PLUS Bronze PSU	
Form factor	Form factor	Compact	
	Dimensions (D x W x H)	12L , 370 (D) x 96 (W) x 334 (H) mm approximately	
Tested OS		• Microsoft® Windows® 10 64-bit / 11 64-bit	
		• Red Hat Enterprise Linux 8.4 (Core 11th/W-1300 CPU only)	
		• Ubuntu Linux 20.04	
Regulatory Compliance	EMC	CE FCC BSMI(Class B)	
	Safety	CB MET	

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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