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Altos BrainSphere™ P130 F10 SE

Altos BrainSphere™ P130 F10 SE equipped with Intel® Core™ Ultra series 2 processor and supports DDR5 memory. It supports PCIe Gen 5 expansion slots and PCIe Gen 5 M.2 NVMe SSD, offering high processing performance and data storage speed. It's Ideal for users seeking a budget-friendly, easy-to-use entry-level option that offers great value for everyday needs.

High-Performance Processor:

- Equipped with an Intel® Core™ Ultra series 2 processor, delivering excellent computing performance to meet daily business needs.

Fast Memory and Storage

- Comes with DDR5 RAM, ensuring smooth multitasking.
- Supports PCIe Gen5 M.2 NVMe SSD, providing fast data read/write speeds, quick system boot-up, and rapid application loading.

Next-Gen I/O and Connectivity

- Supports PCIe Gen5, dual LAN ports, and advanced wireless options for high-speed data transfer.

Enhanced Security and Management

- Integrated Trusted Platform Module (TPM) 2.0 for hardware-level encryption, ensuring data security.
- Supporting Intel vPro® empowers IT teams to manage devices more efficiently, secures data against modern threats, and ensures a stable, reliable computing environment for the enterprise.



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Specification			
CPU	Processor type	Intel® Core™ Ultra 9 processor 285 / Ultra 7 processor 265 / Ultra 5 processor 225	
	Number of processors	1	
On-board Devices	Chipset	Intel® W880 Chipset	
	SATA	4 SATA3 (6 Gb/s) ports	
	Intel® RST[1]	Software RAID 0, 1, 10 for SATA device[1]	
	Graphics	Intel® Graphics (via CPU)	
	Network controller	1 Gb/s BASE-T LAN Port (Intel® I219-LM) 2.5 Gb/s BASE-T LAN Port (Intel® I226-V)	
	Audio controller	5.1 CH HD Audio (Realtek® ALC897)	
Memory	Memory slot	4 DIMM slots (Dual Channel)	
	Memory type	Up to 48GB DDR5 5600 MHz ECC / Non-ECC UDIMM[2]	
	Total Memory capacity	Up to 192GB	
Expansion slots	PCI-E	• 1 PCIe Gen5 x16 slot • 1 PCIe Gen4 x16 slot (wired as x4)	• 2 PCIe Gen4 x1 slot
	M.2 for NVMe SSD	• 1 M.2 2280 PCIe Gen5 x4 slot	• 1 M.2 2280 PCIe Gen4 x4 slot
	M.2 for Wireless options	• 1 M.2 2230 slot with USB 2.0, supporting discrete and CNVi Wireless module	
I/O ports	Front I/O Ports	• 1 USB 3.2 Gen2 Type-A Port (supporting BC1.2) • 2 USB 2.0 Type-A Ports • 1 Universal Audio Jack	• 1 USB 3.2 Gen2 Type-A Ports • 1 USB 3.2 Gen2 2x2 Type-C Port • 1 USB 3.2 Gen2 Type-C • 1 SD Card Reader (Optional)
	Rear I/O Ports	• 1 D-Sub (VGA) Port • 2 DP 2.1 Ports • 1 HDMI 2.1 Port • 2 USB 3.2 Gen1 Type-A Ports • 1 USB 3.2 Gen 2 Type-C	• 1 COM (Serial) port • 2 RJ-45 (Ethernet) Ports • 3 Audio jacks (In/Out/MIC) • 3 USB 2.0 ports
Commercial features		• Intel vPro® • Hard drive password protection (via BIOS) • RAID support (via BIOS)	• Integrated TPM v2.0 • Kensington lock slot • WOL (Wake On LAN)
Drive Bays	Media bay	• Optional 8X DVD-RW drive, 9.0 mm slim, tray-load, M-DISC Ready™	
	Storage bay	• [10L] 1 x 3.5" slots for hard disk drive • [20L] 2 x 3.5" slots for hard disk drives	
Power supply	20L SKU	• Optional 300W or 500W Single-rail 12V, 80PLUS® Platinum • Optional 750W Single-rail 12V, 80PLUS® Gold	
	10L SKU	• Optional 300W or 500W Single-rail 12V, 80PLUS® Platinum	
Dimensions	20L SKU	• 175 (W) x 335 (D) x 370 (H) mm (6.89 x 13.19 x 14.57 inches)	
	10L SKU	• 105 (W) x 335 (D) x 335 (H) mm (4.13 x 13.19 x 13.19 inches)	
OS		• Microsoft® Windows 11 Pro 64-bit • UEFI Shell	
System compliance		RoHS, DMI, GS, ENERGY STAR®, PC2001	
Certification		BSMI, CE, FCC, CB	

1. Integrated SATA RAID supports RAID 0, 1, 5, 10 (Windows® OS only).
2. Refer to CPU specifications for details. Memory speed may vary, depending on the CPU, chipset or memory fitted. MEM Frequency 5600 (2DPC-2DIMM), 4400(2DPC-4DIMM)

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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