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# Altos BrianSphere™ P5 F10

Altos P5 F10 equipped with Intel® Core™ Ultra series 2 processor and support DDR5 memory. Supports PCIe Gen 4 expansion slots and PCIe Gen 4 M.2 NVMe SSD which makes high processing performance and data storage speed. Ideal for users seeking a budget-friendly, easy-to-use entry-level option that offers great value for every-day 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.
- Built-in **PCIe M.2 SSD**, providing fast data read/write speeds, quick system boot-up, and rapid application loading.

## Stable and Reliable Design:

- Uses **100% solid capacitors**, enhancing system stability and longevity, making it ideal for long-term business operations.

## Versatile Connectivity:

- Features **up to 9 USB ports**, including **two USB 3.2 Gen 2 10Gbps ports** for high-speed data transfer.
- Supports **up to three display outputs**, allowing for efficient multi-screen workflows.

## Enhanced Security and Management:

- Integrated **Trusted Platform Module (TPM) 2.0** for hardware-level encryption, ensuring data security.



9L

15L

Specification		
CPU	Processor type	Intel® Core™ Ultra series 2 processor (LGA1851), up to 65W
	Number of processors	1
On-board Devices	Chipset	Intel® H810 Chipset
	SATA	2 SATA3 (6 Gb/s) ports
	Graphics	Intel® Graphics
	Network controller	1 Gb/s BASE-T LAN Port (Intel® I219V)
	Audio controller	5.1 CH HD Audio (Realtek® ALC897)
Memory	Memory slot	2 DIMM slots (Dual channel)
	Memory type	Up to 48GB DDR5 6400 MHz UDIMM <sup>2</sup>
	Total Memory capacity	Up to 96GB
Expansion slots	PCI-E	<div><div>• 1 PCI-E 4.0 x16 slot</div><div>• 1 PCI-E 3.0 x1 slot</div></div>
	M.2	<div><div>• 1 M.2 2280 PCI-E 4.0 slots (NVMe SSD)</div><div>• 1 M.2 2230 PCI-E 3.0, E Key (Wi-Fi &amp; Bluetooth)</div></div>
I/O ports	Front I/O Ports	<div><div>• 1 USB3.2 Gen2 10Gbps Type C port</div><div>• 1 USB3.2 Gen2 10Gbps Type A port</div><div>• 1 Universal Audio Jack</div><div>• 2 USB2.0 Type-A Ports</div><div>• Card Reader (Optional)</div></div>
	Rear I/O Ports	<div><div>• 2 USB3.2 Gen1 5Gbps Type A port</div><div>• 1 D-Sub (VGA) Port</div><div>• 1 HDMI 1.4b Port</div><div>• 3 Audio jacks (In/Out/MIC)</div><div>• 2 USB 2.0 Ports</div><div>• 1 DP Port</div><div>• 1 RJ45 Port</div></div>
Commercial features		<div><div>• Integrated TPM v2.0</div><div>• Hard drive password protection (via BIOS)</div><div>• Kensington lock slot</div><div>• WOL (Wake on Lan)</div></div>
Drive Bays	Media bay (Optional)	• 8X DVD-RW drive, 9.0 mm slim, tray-load, M-DISC Ready™
	Storage bay	<div><div>• [9L] 1 x 3.5" slots : For hard disk</div><div>• [15L] 2 x 3.5" slots : For hard disks</div></div>
Power supply		<div><div>• 180W Single –rail 12V PFC (EuP), auto-sensing 80PLUS® Platinum, TFX</div><div>• 300W PRF auto-sensing, 80PLUS® Platinum, TFX</div></div>
Dimensions (D x W x H)		<div><div>• [9L] 307.7(D) x 102.5 (W) x 332(H) mm (12.11 x 4.04 x 12.68 inches)</div><div>• [15L] 306.32 (D) x160 (W) x 348.00 (H) mm (12.06 x 6.3 x 13.7 inches)</div></div>
OS		<div><div>• Microsoft® Windows 11 Pro 64-bit</div><div>• UEFI Shell</div></div>
System compliance		RoHS GS, ENERGY STAR®
Certification		BSMI, CE, FCC, CB
1. Refer to CPU specifications for details. Memory speed may vary, depending on the CPU, chipset or memory fitted. MEM Frequency on Ultra 7 is 6400Mhz and Ultra 5 is 5600Mhz.		
2. Extended warranty services may vary by country. Please contact Altos 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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