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Altos BrianSphere™ P150 F10

Altos P150 F10 is equipped with the latest Intel® Core™ Ultra Series 2 processor, designed for power users who demand top-tier performance. This platform supports multi-GPU configurations, AI acceleration, and heavy multitasking, offering a robust core architecture, generous PCIe bandwidth, and an integrated NPU. It's an ideal solution for game developers, video editors, 3D professionals, and AI researchers who require exceptional compute power and advanced connectivity.

Latest CPU & Dual High-End GPU Support

- Powered by the **Intel® Core™ Ultra Series 2 processor**, delivering exceptional computing performance for intensive business and creative workloads.
- Integrated with a **2000W 80+ Platinum PSU**, capable of stably supporting **dual high-performance GPUs** and multiple expansion devices.

Powerful Core Architecture + NPU for AI Workloads:

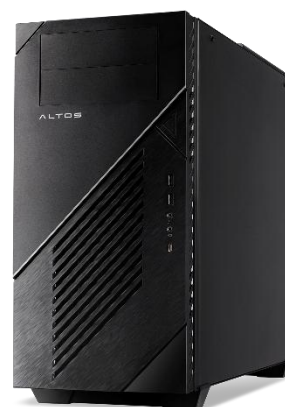
- Up to **24 cores** (8 Performance + 16 Efficient) and built-in **Neural Processing Unit (NPU)** for AI acceleration.
- Enhanced performance with **AI-powered tools** on Windows 11, such as Copilot and locally-run Stable Diffusion.

Smart Task Scheduling with Intel Thread Director:

- Designed to work seamlessly with **K-series processors**, delivering high performance across demanding workloads.
- **Intel Thread Director** intelligently distributes tasks between performance and efficiency cores, maximizing responsiveness and energy efficiency.

Next-Gen I/O and Connectivity:

- Supports **DDR5-5600** memory, **Wi-Fi 7**, **dual LAN**, **TPM 2.0**, **two M.2 SSDs**, and up to **9 USB ports**, including USB 3.2 Gen 2x2 (20Gbps) ports for ultra-fast data transfer.



Specification		
CPU	Processor type	Intel® Core™ Ultra Processors (Series 2) (LGA1851), up to 125W
	Number of processors	1
On-board Devices	Chipset	Intel® Z890 Chipset
	SATA	5 SATA3 (6 Gb/s) ports
	Graphics	Intel® Graphics
	Network controller	1 Gb/s LAN Port (Intel® I219V)
		2.5Gb/s 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 UDIMM ¹
	Total Memory capacity	Up to 192GB
Expansion slots	PCI-E	• 1 PCI-E 5.0 x16 slot • 1 PCI-E 4.0 x16 slot (x4 Lanes) • 2 PCI-E 4.0 x1 slots
	M.2	• 1 M.2 2280 PCI-E 5.0 slots (NVMe SSD) • 1 M.2 2280 PCI-E 4.0 slots (NVMe SSD) • 1 M.2 2230 PCI-E E Key (Wi-Fi & BT)
I/O ports	Front I/O Ports	• 1 USB3.2 Gen2x1 10Gbps Type-C port • 2 USB3.2 Gen1 Type-A Ports • 2 Audio jacks • System LED (Power/HDD)
	Rear I/O Ports	• 1 USB3.2 Gen2x2 20Gbps Type-C port • 2 USB 3.2 Gen1 Type-A Ports • 2 DP 1.4 Ports • 1x COM • 3 Audio jacks (Line out/Line in/MIC in) • 3 USB 2.0 • 1 HDMI 1.4 • 1 D-Sub (VGA) Port • 2 RJ45 Ethernet LAN Ports
Commercial features		• Intel® PTT • RAID support (via BIOS) • Hard drive password protection (via BIOS) • Kensington lock slot • WOL (Wake on Lan) • Integrated TPM v2.0
Drive Bays	Media bay	• 1 x 5.25" slot : For ODD
	Storage bay	• 4 x 3.5" or 2.5" slots : For hard disks
Power supply		• 850W Multiple output 24 pins, IEC C14 AC Connector, ATX3.1 80PLUS® Gold PSU • 2000W Multiple output 24 pins, IEC C20 AC Connector, 80PLUS® Platinum PSU
Dimensions (D x W x H)		• 56L, 470 (D) x230 (W) x 518.5 (H) mm (18.5 x 9.6 x 20.3 inches)
OS		• Microsoft® Windows 11 Pro 64-bit • Red Hat Enterprise Linux 9
Regulatory Compliance		BSMI, CE, FCC, CB, MET, ENERGY STAR 9.0
1. Refer to CPU specifications for details. Memory speed may vary, depending on the CPU, chipset or memory fitted. MEM Frequency 5600(2DPC-2DIMM), 440(2DPC-4DIMM). 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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