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Altos BrainSphere™ P330 F6 SE

Altos P330 F6 SE is a high-performance workstation designed for media professionals, engineers, and creators who demand uncompromising computing power and seamless workflow integration. Powered by the Intel® Xeon® W processor with the Intel® W790 chipset, supporting up to 60 cores, it delivers exceptional multi-core performance, outstanding reliability, and extensive expansion capabilities, making it an ideal solution for media production, CAD/CAE, and visual simulation workloads.

Extreme Performance for Demanding Workloads:

- Up to **60 cores and 120 threads** delivers exceptional compute power for media production, simulation, and AI training.

- Supports up to **512GB DDR5** ECC memory enabling ultra-fast memory bandwidth and extensive I/O scalability for high-performance workstations.

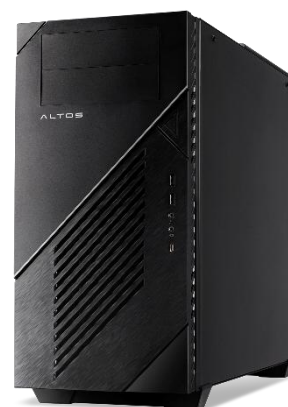**Dual High-End GPU Support for Extreme Graphics Performance**

- Integrated with a 2000W 80+ Platinum PSU, the system supports two high-performance graphics cards. ideal for rendering, simulation, and AI acceleration

Enterprise-Grade Reliability and Security:

- Supports **ECC memory** and Software RAID (0/1/5/10), ensuring stable system operation and reliable data protection for mission-critical workloads.

- Equipped with **Intel® vPro®**, **TPM 2.0**, **Secure Boot**, and **Intel® PTT**, delivering robust hardware-based security for professional environments.

Next-Gen I/O and Connectivity:

- Supports **DDR5-4800** memory, **Wi-Fi 6**, **dual LAN**, **two M.2 SSDs**, and up to **10 USB ports**, including USB 3.2 Gen 2x2 (20Gbps) ports for ultra-fast data transfer.

Specification

CPU	Processor type	Intel® Xeon® W-3400, W-2400, W-3500 and W-2500 Series Processors (LGA4677)
	Number of processors	1
On-board Devices	Chipset	Intel® W790 Chipset
	SATA	8 SATA3 (6 Gb/s) ports
	SATA RAID	Intel onboard software RAID 0,1,5,10 (via BIOS) (Windows Only)[1]
	Network controller	2.5 Gb/s LAN Port (Intel® I226-LM)
		5Gb/s LAN Port(Realtek RTL8126-CG)
	Audio controller	7.1 CH HD Audio (Realtek® ALC1220)
Memory	Memory slot	8 DIMM slots (Quad channel)
	Memory type	Up to 64GB DDR5 4800 MHz RDIMM[2]
	Total Memory capacity	Up to 512GB

Expansion slots

- PCI-E
  - 3 PCI-E 5.0 x16 slots
  - 2 PCI-E 5.0 x16 slots (16/0, 8/8 mode)
- M.2
  - 1 M.2 2280/22110 PCI-E 4.0 x4 slots (NVMe SSD)
  - 1 M.2 2280 PCI-E 4.0 x4 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
- System LED (Power/HDD)

Rear I/O Ports
- 1 USB3.2 Gen2x2 20Gbps Type-C port
- 2 USB3.2 Gen1 Type-A ports
- 2 RJ45 Ethernet LAN Ports
- Clean CMOS button
- 2 USB3.2 Gen2x1 Type-A ports
- 2 USB2.0
- 6 in 1 audio jack with SPDIF
- BIOS flashback button

Commercial features
- Intel® PTT
- RAID support (via BIOS)
- Intel® vPro™ Technology
- 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, ENERGY STAR 9.0

1. Integrated SATA RAID supports RAID 0, 1, 5, 10 on Windows® OS only.
2. Refer to CPU specifications for details. Memory speed may vary, depending on the CPU, chipset or memory fitted. MEM Frequency 4800(1DPC), 4400(2DPC).
3. Extended warranty services may vary by country. Please contact Altos for more information

respective owners.