Altos BrainSphere™ T110 F6

Altos BrainSphere™ T110 F6 delivers true server-class features and expandability along with best price-performance technology to assure the success of your business. This single-socket tower server features an 80 PLUS® efficient power supply that runs smoothly and quietly for maximized productivity.

Powerful performance

With Intel Xeon® E-2300 Processors, the Altos T110 F6 represents an architectural turning point for professional high-end compute needs. The all-new architecture optimizes CPU performance, allowing entry servers, secure cloud services, and edge devices/appliances to work at their best with up to 8 cores.

Flexible expansions

The Altos T110 F6 combines double PCIe Gen4 expansion slots, PCIe Gen3 M.2 NVMe SSD slots, and support for up to 4 DIMM DDR4 ECC UDIMMs and 4 3.5" SATA drive bays with RAID 0,1,5 OR 10 to provide users with enhanced flexibility.

Management capabilities

The Altos T110 F6 is equipped with a built-in AST2500 controller, which provides robust remote management and monitoring capabilities for the workstation. With the AST2500 controller, IT administrators gain comprehensive control over the system and the ability to troubleshoot issues remotely, regardless of their location. This feature enhances the overall reliability of the system by enabling efficient management and reducing downtime.

Specification		
CPU	Processor type	Single Intel® Xeon® E-2300 Processor (LGA1200), up to 8 Core / 95W TDP
	Number of processors	1
On-board Devices	Chipset	Intel® C252 Chipset
	SATA	6 SATA3 (6 Gb/s) ports
	SATA RAID	Intel onboard software RAID 0,1,5,10 (via BIOS) (Windows Only)[1]
	IPMI	ASPEED AST2500
	Graphics	VGA Port (through BMC)
	Network controller	Dual RJ45 1 Gb/s Ethernet LAN Port (Intel® i210AT, share IPMI port)
		Single RJ45 10/100/1000 management LAN
Memory	Memory slot	4 DIMM slots (Dual channel)
	Memory type	Up to 32GB ECC DDR4 3200 MHz UDIMM
	Total Memory capacity	Up to 128GB

Expansion slots	PCIe	• 1 PCI-E 4.0 x16 slot	• 1 PCI-E 4.0 x8 slot(x4 Lanes)
	M.2	• 1 M.2 2280 PCI-E 3.0 slot	

I/O ports	Front I/O Ports	• 2 USB3.2 Gen1 Type-A Ports	
	Rear I/O Ports	• 1 VGA Port	• 1 COM Port
		• 2 USB 3.2 Gen2x1 Type-A Ports	• 4 USB 2.0 Type-A Ports
		• 2 RJ45 Ports	• 1 IPMI LAN
		• 1 ID switch	

Commercial features		• RAID support (via BIOS)	• Kensington lock slot
		• Chassis intrusion	

Management & Security	Management	• IPMI 2.0, KVM with dedicated LAN	
		• Smart Console remote monitoring	
	Security	• TPM 2.0 Module (Optional)	

Drive Bays	Media bay	• 2x 5.25" slot：For ODD	
	Storage bay	• 4 x 3.5"/2.5" slots：For hard disks	

Power supply		500W Multiple output 24 pins, 80PLUS® Bronze PSU
		450W Multiple output 24 pins, 80PLUS® Gold PSU (optional)

Dimensions (D x W x H)		• 386 (D) x 175 (W) x 360 (H) mm (15.2 x 6.89 x 14.17 inches)
OS Support		• Microsoft® Windows Server® 2022, 2025[3]
		• Red Hat Linux 6.9/7.3/8.6/9.0
		• SUSE Linux Enterprise Server 11.2/12.2/15
		• Ubuntu 16.04.6/18.04.2/20.04.4/22.04
Regulatory Compliance		BSMI, CE, FCC, CB

1. Integrated SATA RAID supports RAID 0, 1, 5, 10 on Windows® OS only.

2. Extended warranty services may vary by country. Please contact Altos for more information

3. Microsoft® Windows Server® 2025 installation test only, not support WHQL