

# Altos BrainSphere™ T310 F5

Altos BrainSphere™ T310 F5 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.

## Smart investment for your growing business

Driven by Intel® architecture, with great memory capacity and high performance, this tower server uses industry-leading 14nm processors that handle large workloads more efficiently. Flexible expansion slots, plus up to 64 TB hot plug HDD for data storage satisfy the demands of your growing business.

## Meeting business needs with best value

Altos BrainSphere™ T310 F5 is packed with dependable server-class hardware, including an integrated Gigabit Ethernet controller for speedy and safe data transmission, and built-in 6-channel SATA with software RAID 0,1, 5 or 10 to ensure data security.

## Fundamental management, easy use

This server provides comprehensive management utilities, Altos Smart Server Manager. In addition, front-panel system health LED indicators let you check the server at a glance.

## Cost-effective expandability, green computing

Altos BrainSphere™ T310 F5 is designed hot plug HDD bay chassis that enables easy component access, reducing maintenance and service costs. What's more, this tower server is equipped with an 80 PLUS® power supply for maximum energy efficiency.

## Accelerate AI development

With Altos BrainSphere™ AI Development Platform API service agent, it integrates system, GPU and AI Deep Learning container management to fast build and deploy AI development environments.



CPU	Processor type	<ul style="list-style-type: none"> <li>Intel® Xeon® E-2200<sup>(1)</sup> and Xeon® E-2100 Processors</li> <li>Intel® Gen 8<sup>th</sup> and 9<sup>th</sup> Core™ i3 series</li> </ul>		
	Number of processors	1		
On-board Devices	Chipset	Intel® C242		
	SATA	6 SATA3 (6 Gbps) ports (via Intel® C242 controller)		
	SATA RAID <sup>(2)</sup>	Intel® C242 chipset with RSTe RAID support for SATA RAID 0, 1, 5, 10		
	SAS RAID <sup>(3)</sup>	SAS RAID 0,1,5, 10 support via optional SAS RAID add-on- card		
	IPMI	ASPEED AST2500 (2D Controller)		
	Graphics	ASPEED AST2500 BMC (2D Controller)		
	Network controller	Dual 1GbE LAN with Intel® I210		
Memory	Memory slot	4 DIMM slots		
	Memory type	DDR4-2666/2400/2133MHz ECC Unbuffered memory		
Expansion slots	PCIe	<ul style="list-style-type: none"> <li>1 PCI-E 3.0 x8 (in x16)</li> <li>2 PCI-E 3.0 x4 (in x8)</li> </ul>		
	M.2	1 M.2 2280/22110 slot (M-key, w/PCIe 3.0 x4)		
I/O ports	Front I/O ports	2 x USB 3.2 Gen1		
	Rear I/O ports	<ul style="list-style-type: none"> <li>2 x RJ45 Ethernet LAN ports</li> <li>1 x RJ45 Dedicated IPMI LAN port</li> <li>1 x COM port</li> </ul>	<ul style="list-style-type: none"> <li>2 x USB 3.2 Gen 1</li> <li>2 x USB 2.0</li> <li>1 x VGA port</li> </ul>	
	On-board port	1 x USB 3.2 Gen1 Type A		
	Management & Security	Server Management	<ul style="list-style-type: none"> <li>IPMI2.0, KVM with dedicated LAN</li> <li>Altos Smart Server Manager</li> <li>Smart Console remote monitoring</li> </ul>	
	System Security	<ul style="list-style-type: none"> <li>1 TPM Header (Optional TPM 2.0 module)</li> </ul>		
Software/Utility		Altos BrainSphere™ AI Development Platform API		
Drive Bays	Media bays	3 x 5.25" bay		
	Storage bays	4 x 3.5" hot-swappable bays or 4 x 2.5" hot-swappable bays (Optional Tray)		
Power supply		<ul style="list-style-type: none"> <li>650W (80Plus Gold) fixed,</li> <li>550W (80Plus Platinum) 1+1 redundant power supply</li> </ul>		
Form factor	Form factor	Tower		
	Dimensions (D x W x H)	553 x 198 x 425 mm approximately		
Tested OS		<ul style="list-style-type: none"> <li>Window Server 2022<sup>(3)</sup>, 2019, 2016</li> <li>Red Hat® Enterprise Linux® 7.6</li> </ul>		
Regulatory Compliance	EMC	CE	FCC	BSMI
	Safety	CB	MET	BSMI

1. Support up to 6 core Intel® Xeon® E-2200 series CPU, please refer to AVL for detail.
2. Integrated SATA RAID supports RAID 0, 1, 5, 10 on Windows® OS only
3. Microsoft® Windows Server® 2022 installation test only

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**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.

