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.
### Altos BrainSphere™ T310 F5

**CPU**
- Processor type: • Intel® Xeon® E-2200\(^{(1)}\) and Xeon® E-2100 Processors  
  • Intel® Gen 8\(^{th}\) and 9\(^{th}\) Core™ i3 series
- Number of processors: 1

**On-board Devices**
- Chipset: Intel® C242
- SATA: 6 SATA3 (6 Gbps) ports (via Intel® C242 controller)
- SATA RAID\(^{(2)}\): Intel® C242 chipset with RSTe RAID support for SATA RAID 0, 1, 5, 10
- SAS RAID\(^{(3)}\): 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: • 1 PCI-E 3.0 x8 (inx16)  
  • 2 PCI-E 3.0 x4 (inx8)
- 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: • 2 x RJ45 Ethernet LAN ports  
  • 1 x RJ45 Dedicated IPMI LAN port  
  • 1 x COM port  
  • 1 x VGA port  
- On-board port: 1 x USB 3.2 Gen1 Type A

**Management & Security**
- Server Management: • IPMI2.0, KVM with dedicated LAN  
  • Altos Smart Server Manager  
  • Smart Console remote monitoring
- System Security: • 1 TPM Header (Optional TPM 2.0 module)

**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**
- 650W (80Plus Gold) fixed,  
- 550W (80Plus Platinum) 1+1 redundant power supply

**Form factor**
- Dimensions (D x W x H): 553 x 198 x 425 mm approximately

**Regulatory Compliance**
- EMC: CE  
  FCC  
  BSMI
- Safety: CB  
  MET  
  BSMI

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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
• Red Hat® Enterprise Linux® 7.6

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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.