

# Altos BrainSphere<sup>™</sup> T350 F5

The Altos BrainSphere<sup>TM</sup> T350 F5 is a dual-socket, rack-mountable tower server that delivers exceptional performance, availability, expansion capability, and flexibility. This tower server is a power-efficient solution for medium-sized enterprises, departments, and branch offices.

### Uninterrupted, solid computing

Driven by Intel® architecture, with great memory capacity and high performance, this tower server uses industry-leading Intel® 3rd Generation Intel® Xeon® Scalable Processors along with DDR4 memory for high-speed, memory-intensive, and multi-threaded operations. that handle large workloads more efficiently. What's more, 1+1 redundant power supplies secure your system uptime for increased productivity.

### Superior flexibility for your growing business

Hot-swappable HDDs, PCIe® 4.0 expansion slots and up to 16 DIMM slots with support for registered or Load-Reduced memory give your business the power to customize and grow as needed. This server integrates SATA ports with software RAID 0, 1, 5, 10 for dependable data security, while Intel® Trusted Execution Technology blocks virtual machine hacking.

## Manageable serviceability, energy-saving operation

Altos BrainSphere™ T350 F5 has integrated BMC allows you to securely access and control servers remotely, reducing maintenance and service costs. To top it off, this tower server boasts 80 PLUS® Platinum-level power supply for eco-consciousness.





Processor (processor (processo	Specification		
On-board Devices         Chipset         Intel® C621A chipset           Memory Lemony Le	Processor	Processor type	Intel 3rd Gen Intel® Xeon® Scalable processors, TDP up to 270W
Memory         Memory type         16 DIMM Slots           Expansion Slots         PCIe / PCI         6 x PCI-E 4.0 x16 slots           Expansion Slots         PCIe / PCI         6 x PCI-E 4.0 x16 slots           I/O Port         M.2         2 x USB 3.0 Type- A Ports           LA PART A PORTS         2 x USB 3.0 Type- A Ports           LA PART A PORTS         2 x RI45 Port (Intel 1210-AT)           1 x RI45 Port (COM)         1 x RI45 Port (Dedicated BMC LAN Port)           1 x ID Button with LED         1 x VGA Port           Network         R145         2 x 1 Gb/s Lan Ports (Intel 1210-AT)           Network         R145         2 x 1 Gb/s Lan Ports (Intel 1210-AT)           Prome Suppla         Raid         8 x 3.5 "/ 2.5" SATA hot-swappable bays           A Scard is required for enable SAS drives.         A RI45           A Riad         Intel® SATA RAID 0/1/10/5           Management & Security         PMI2.0, KVM with dedicated LAN           A Ritos Smart Server Manager         A Ritos Smart Server Manager           Form Factor         Tower and Rackmount (via rackmount kit)           Power Supply         2 x 800W 80Plus Platinum CRPS Redundant power supply           Form factor         Tower and Rackmount (via rackmount kit)           Dimensions         6 20(D) x 220 (W) x 425(H) mm <td></td> <td>Number of processors</td> <td>2</td>		Number of processors	2
Expansion Slots         PCle / PCl         6 x PCI-E 4.0 x16 slots           Expansion Slots         PCle / PCl         6 x PCI-E 4.0 x16 slots           I/O Port         Front I/O Port         2 x USB 3.0 Type- A Ports           Expansion Slots         Front I/O Port         2 x USB 3.0 Type- A Ports           L A Port (Intel 1210-AT)         1 x R145 Port (Intel 1210-AT)           1 x R145 Port (DOM)         1 x R145 Port (DOM)           1 x R145 Port (DOM)         1 x R145 Port (DOM)           Network         R145         2 x 16b/s Lan Ports (intel 1210-AT)           Drive Bays         Storage Bay         8 x 3.5 " / 2.5 " SxTA hot-swappable bays           Management & Security         Raid         Intel® SATA RAID 0/1/10/5           Management & Security         PMI2.0, KVM with dedicated LAN           Altos Smart Server Manager         Altos Smart Server Manager           Fower Supply         2 x 800W 80Plus Platinum CRPS Redundant power supply           Power Supply         2 x 800W 80Plus Platinum CRPS Redundant power supply           Form Factor         Tower and Rackmount (via rackmount kit)           Dimensions         620(D) x 220 (W) x 425(H) mm           OS support         Windows         Microsoft® Windows Server 2022 /2019           Red Hat         BLU Jountu U Jountu 22.04 64blt Server	On-board Devices	Chipset	Intel® C621A chipset
Expansion Slots         PCle / PCl         6x PCI-E 4.0x16 slots           I/O Port         Front I/O Port         2x M.2 2280/22110 slots PCI-E 4.0           I/O Port         Front I/O Port         2x USB 3.0 Type-A Ports           2x RJ45 Port (intel I210-AT)         1x RJ45 Port (COM)           1x RJ45 Port (COM)         1x RJ45 Port (COM)           Network         RI45         2x 16b/s Lan Ports (intel I210-AT)           Network         RI45         2x 16b/s Lan Ports (intel I210-AT)           Drive Bays         Storage Bay         8x 3.5" /2.5" SATA hot-swappable bays           Media Bay         3x 5.25 Media Bay           Sa Scard is required for enable SAS drives.           Management & Security         Management           Management & Security         PMI2.0, kVM with dedicated LAN           Altos Smart Server Manager         1TPM Header; Optional TPM 2.0 module           Power Supply         2x 800W 80Plus Platinum CRPS Redundant power supply           Form factor         Tower and Rackmount (via rackmount kit)           Oimensions         620(D) x 220 (W) x 425 (H) mm           OS support         Windows         Microsoft® Windows Server 2022 / 2019           Red Hat         REHL 9.0 (x64)/8.2(x64)/7.9(x64)           Ubuntu         Ubuntu 22.04 64bit Server	Memory	Memory Slot	16 DIMM Slots
M.2		Memory type	8-Channel, DDR4 2933/3200MHz ECC RDIMM
IVO Port         Front I/O Port         2 x USB 3.0 Type-A Ports           2 x USB 3.0 Type-A Ports         2 x USB 3.0 Type-A Ports           2 x RJ45 Port (intel I210-AT)         1 x RJ45 Port (COM)           1 x RJ45 Port (Dedicated BMC LAN Port)         1 x ID Button with LED           1 x VGA Port         1 x VGA Port           Network         RJ45         2 x 1Gb/s Lan Ports (intel I210-AT)           Drive Bays         Storage Bay         8 x 3.5" /2.5" SATA hot-swappable bays           Media Bay         3 x 5.25 Media Bay           AS Card is required for enable SAS drives.           Management & Security         Management           PMI2.0, KVM with dedicated LAN           Altos Smart Server Manager           Scurity         Smart Console remote monitoring           1 TPM Header; Optional TPM 2.0 module           Power Supply         2 x 800W 80Plus Platinum CRPS Redundant power supply           Form factor         Tower and Rackmount (via rackmount kit)           Dimensions         620(D) x 220 (W) x 425 (H) mm           OS support         Windows         Microsoft® Windows Server 2022 /2019           Red Hat         Q Ubuntu 22.04 64bit Server           Certification         Evertification	Expansion Slots	PCIe / PCI	6 x PCI-E 4.0 x16 slots
Rear I/O Port  Rear I		M.2	2 x M.2 2280/22110 slots PCI-E 4.0
2 xR145 Port (intel I 210-AT) 1 xR145 Port (COM) 1 xR145 Port (Dedicated BMC LAN Port) 1 xID Button with LED 1 xVGA Port  Network  RI45  2 x 1Gb/s Lan Ports (intel I 210-AT)  Network  RI45  2 x 1Gb/s Lan Ports (intel I 210-AT)  Network  Ri45  3 x 5.25 Media Bay 3 x 5.25 Media Bay 5AS card is required for enable SAS drives. Raid  Intel® SATA RAID 0/1/10/5  Management & Security Management Altos Smart Server Manager  Smart Console remote monitoring 1 TPM Header; Optional TPM 2.0 module  Power Supply  Form factor From Factor Dimensions  620(D) x 220 (W) x 425(H) mm  OS support  Windows REHL 9.0 (x64)/8.2(x64)/7.9(x64) Ubuntu Ubuntu 22.04 64bit Server  EnergyStar 3.0	I/O Port	Front I/O Port	2 x USB 3.0 Type-A Ports
1 x R145 Port (COM)   1 x R145 Port (Dedicated BMC LAN Port)   1 x ID Button with LED   1 x VGA Port   1 x VGA Port   1 x VGA Port   1 x VGA Port   1 x VGA Port (Dedicated BMC LAN Port)   1 x VGA Port   1 x VGA Port (Dedicated BMC LAN Port)   1 x VGA Port (Dedicated BMC LAN Port)   1 x VGA Port   1 x VGA Port   1 x VGA Port (Dedicated L2N Action Sequired for enable SAS drives.   Raid   Intel® SATA RAID 0/1/10/5   Management & Security		Rear I/O Port	2 x USB 3.0 Type-A Ports
1 x RI45 Port (Dedicated BMC LAN Port)   1 x ID Button with LED   1 x VGA Port			2 x RJ45 Port (intel I210-AT)
1 x ID Button with LED         1 x VGA Port         Network       RI45       2 x 1 Gb/s Lan Ports (intel I210-AT)         Drive Bays       Storage Bay       8 x 3.5" /2.5" SATA hot-swappable bays         Media Bay       3 x 5.25 Media Bay         Raid       Intel® SATA RAID 0/1/10/5         Management & Security       Management       IPMI2.0, KVM with dedicated LAN         Altos Smart Server Manager       Smart Console remote monitoring         1 TPM Header; Optional TPM 2.0 module         Power Supply       2 x 800W 80Plus Platinum CRPS Redundant power supply         Form factor       From Factor       Tower and Rackmount (via rackmount kit)         Dimensions       620(D) x 220 (W) x 425(H) mm         OS support       Windows       Microsoft® Windows Server 2022 / 2019         Red Hat       REHL 9.0 (x64)/8.2(x64)/7.9(x64)         Ubuntu       Ubuntu 22.04 64bit Server         Certification       EnergyStar 3.0			1 x RJ45 Port (COM)
Network       RI45       2 x 1 Gb/s Lan Ports (intel I210-AT)         Drive Bays       Storage Bay       8 x 3.5" /2.5" SATA hot-swappable bays         Media Bay       3 x 5.25 Media Bay         Asid       Intel® SATA RAID 0/1/10/5         Management & Security       Management         PMI2.0, KVM with dedicated LAN Altos Smart Server Manager         Security       Smart Console remote monitoring 1 TPM Header; Optional TPM 2.0 module         Power Supply       2 x 800W 80Plus Platinum CRPS Redundant power supply         Form factor       Tower and Rackmount (via rackmount kit) Dimensions         OS support       Windows       Microsoft® Windows Server 2022 /2019         Red Hat Ubuntu       REHL 9.0 (x64)/8.2(x64)/7.9(x64)         Ubuntu       Ubuntu 22.04 64bit Server         Certification       EnergyStar 3.0			1 x RJ45 Port (Dedicated BMC LAN Port)
Network       RI45       2 x 16b/s Lan Ports (intel I210-AT)         Drive Bays       Storage Bay       8 x 3.5" /2.5" SATA hot-swappable bays         Media Bay       3 x 5.25 Media Bay         SAS card is required for enable SAS drives.       Raid         Management & Security       Management         IPMI2.0, KVM with dedicated LAN       Altos Smart Server Manager         Altos Smart Server Manager       Smart Console remote monitoring         1 TPM Header; Optional TPM 2.0 module         Power Supply       2 x 800W 80Plus Platinum CRPS Redundant power supply         Form Factor       Tower and Rackmount (via rackmount kit)         Dimensions       620(D) x 220 (W) x 425 (H) mm         OS support       Windows       Microsoft® Windows Server 2022 /2019         Red Hat       REHL 9.0 (x64)/8.2(x64)/7.9(x64)         Ubuntu       Ubuntu 22.04 64bit Server         Certification       EnergyStar 3.0			1 x ID Button with LED
Drive Bays  Addia Bay  Bay  Addia Bay  Anagement & Security  Bay  Altos Smart Server Manager  Altos Smart Console remote monitoring  TPM Header; Optional TPM 2.0 module  Form factor  From Factor  Dimensions  CS Support  Windows  Microsoft® Windows Server 2022 / 2019  Red Hat  Ubuntu  Diuntu Ubuntu 22.04 64bit Server  EnergyStar 3.0			1 x VGA Port
Hedia Bay SAS card is required for enable SAS drives. Raid Intel® SATA RAID 0/1/10/5  Management & Security Anagement Security Security Security Security Smart Console remote monitoring 1 TPM Header; Optional TPM 2.0 module  Power Supply Form factor From Factor Dimensions OS support Windows Red Hat REHL 9.0 (x64)/8.2 (x64)/7.9 (x64) Ubuntu SAS MET Server Sequence Sequence Security Smart Console remote monitoring 1 TPM Header; Optional TPM 2.0 module  Certification Sequence Se	Network	RJ45	2 x 1Gb/s Lan Ports (intel I210-AT)
SAS card is required for enable SAS drives.  Raid Intel® SATA RAID 0/1/10/5  Management & Security Management IPMI2.0, KVM with dedicated LAN Altos Smart Server Manager Security Smart Console remote monitoring 1 TPM Header; Optional TPM 2.0 module  Power Supply 2 x 800W 80Plus Platinum CRPS Redundant power supply  Form factor Tower and Rackmount (via rackmount kit) Dimensions 620(D) x 220 (W) x 425(H) mm  OS support Windows Microsoft® Windows Server 2022 / 2019 Red Hat REHL 9.0 (x64)/8.2(x64)/7.9(x64) Ubuntu Ubuntu 22.04 64bit Server  Certification EnergyStar 3.0	Drive Bays	Storage Bay	8 x 3.5" /2.5" SATA hot-swappable bays
Raid Intel® SATA RAID 0/1/10/5  Management & Security Management Pecurity Promise Prom Factor Prom Factor Prom Factor Dimensions Possible Promote Prom		Media Bay	3 x 5.25 Media Bay
Management & Security			SAS card is required for enable SAS drives.
Altos Smart Server Manager  Smart Console remote monitoring 1 TPM Header; Optional TPM 2.0 module  Power Supply  Form Factor  From Factor  Dimensions  OS support  Windows  Red Hat Ubuntu  Dimensions  Altos Smart Server Manager  Smart Console remote monitoring 1 TPM Header; Optional TPM 2.0 module  2 × 800W 80Plus Platinum CRPS Redundant power supply  Tower and Rackmount (via rackmount kit) 620(D) × 220 (W) × 425(H) mm  OS support  Red Hat REHL 9.0 (x64)/8.2(x64)/7.9(x64) Ubuntu  Ubuntu 22.04 64bit Server  Certification  EnergyStar 3.0		Raid	Intel® SATA RAID 0/1/10/5
Security Smart Console remote monitoring 1 TPM Header; Optional TPM 2.0 module  Power Supply Form factor From Factor Dimensions Food (20(D) x 220 (W) x 425 (H) mm  OS support Red Hat REHL 9.0 (x64)/8.2(x64)/7.9(x64) Ubuntu  Certification  Smart Console remote monitoring 1 TPM Header; Optional TPM 2.0 module  2 x 800W 80Plus Platinum CRPS Redundant power supply  Tower and Rackmount (via rackmount kit) 620(D) x 220 (W) x 425 (H) mm  Microsoft® Windows Server 2022 /2019 Red Hat Ubuntu 22.04 64bit Server  EnergyStar 3.0	Management & Security	Management	IPMI2.0, KVM with dedicated LAN
Power Supply 2x 800W 80Plus Platinum CRPS Redundant power supply  Form factor From Factor Tower and Rackmount (via rackmount kit)  Dimensions 620(D) x 220 (W) x 425(H) mm  OS support Windows Microsoft® Windows Server 2022 /2019  Red Hat REHL 9.0 (x64)/8.2(x64)/7.9(x64)  Ubuntu Ubuntu 22.04 64bit Server  Certification EnergyStar 3.0			Altos Smart Server Manager
Power Supply  Form factor From Factor Dimensions  OS support Red Hat Ubuntu  Power Supply  2 x 800W 80Plus Platinum CRPS Redundant power supply  Tower and Rackmount (via rackmount kit)  620(D) x 220 (W) x 425(H) mm  Microsoft® Windows Server 2022 /2019  Red Hat REHL 9.0 (x64)/8.2(x64)/7.9(x64)  Ubuntu  Ubuntu 22.04 64bit Server  Certification  EnergyStar 3.0		Security	Smart Console remote monitoring
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Dimensions         620(D) x 220 (W) x 425(H) mm           OS support         Windows         Microsoft® Windows Server 2022 /2019           Red Hat         REHL 9.0 (x64)/8.2(x64)/7.9(x64)           Ubuntu         Ubuntu 22.04 64bit Server           Certification         EnergyStar 3.0	Power Supply		2 x 800W 80Plus Platinum CRPS Redundant power supply
OS support Windows Microsoft® Windows Server 2022 / 2019 Red Hat REHL 9.0 (x64)/8.2(x64)/7.9(x64) Ubuntu Ubuntu 22.04 64bit Server  Certification EnergyStar 3.0	Form factor	From Factor	Tower and Rackmount (via rackmount kit)
Red Hat REHL 9.0 (x64)/8.2(x64)/7.9(x64) Ubuntu Ubuntu 22.04 64bit Server Certification EnergyStar 3.0		Dimensions	620(D) x 220 (W) x 425(H) mm
Red Hat REHL 9.0 (x64)/8.2(x64)/7.9(x64) Ubuntu Ubuntu 22.04 64bit Server Certification EnergyStar 3.0	OS support	Windows	Microsoft® Windows Server 2022 /2019
Certification EnergyStar 3.0		Red Hat	REHL 9.0 (x64)/8.2(x64)/7.9(x64)
		Ubuntu	Ubuntu 22.04 64bit Server
EMC/Safety CE FCC BSMI CB	Certification		EnergyStar 3.0
	EMC/Safety	EMC/Safety	CE FCC BSMI CB

#### 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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