

# Altos BrainSphere™ P130 F5 SFF

Altos BrainSphere™ P130 F5 SFF workstation, powered by Intel® Gen8 and Gen9 CPU delivers rock-solid performance and great flexibility. With power-saving hardware as well as substantial advancements in HDD and memory maximization, Altos BrainSphere™ P130 F5 SFF offers a comprehensive solution for all business scenarios.

## Solid Performance and Great Flexibility

Powered by Intel® Gen 8<sup>th</sup> and 9<sup>th</sup> Xeon® E family, Pentium Gold or Celeron G4900 with great memory capacity and high performance, this workstation uses industry-leading 14nm processors that handle large workloads more efficiently, plus up to 16TB HDD for data storage to satisfy to store huge amount data.

## Data Security

Altos BrainSphere™ P130 F5 SFF is packed with reliable hardware, including an integrated dual ports 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.

## Cost-effective expandability and Green Computing

Altos BrainSphere™ P130 F5 SFF is built around an easy-access chassis that offers the convenient access to its internal components, reducing maintenance and service costs. It is equipped with an 80 PLUS® power supply for maximum energy efficiency and complies with ENERGY STAR®

## 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 <sup>1</sup> | <ul style="list-style-type: none"> <li>Intel® Xeon® E-2100 and E-2200 Family Processor</li> <li>8<sup>th</sup>/9<sup>th</sup> Generation Intel® Core™ i9 / i7 / i5 / i3 / Pentium® Gold / Celeron® G4900 series Processor</li> </ul> |  |      |
|                              | Number of processors        | 1  |  |      |
| On-board Devices             | Chipset                     | Intel® C246  |  |      |
|                              | SATA                        | 4 SATAIII (6 Gbps) + 2 SATA DOM ports  |  |      |
|                              | SATA RAID <sup>2</sup>      | Intel® C246 chipset with RSTe RAID support for SATA RAID 0, 1, 5, 10 (Windows OS only)   |  |      |
|                              | Graphics                    | Intel® Processor Graphics (pGFX)   |  |      |
|                              | Network controller          | Dual 1GbE LAN with Intel® I210 and Intel® I219LM   |  |      |
|                              | Audio                       | Realtek ALC892-CG 7.1 Channel High Definition Audio  |  |      |
| Memory                       | Memory slot                 | 4 DIMM slots   |  |      |
|                              | Memory type                 | DDR4-2666/2400/2133MHz Unbuffered ECC UDIMM, Up to 128GB   |  |      |
| Expansion slots              | PCIe                        | <ul style="list-style-type: none"> <li>1 PCI-E 3.0 x16 (in x16 slot)</li> <li>2 PCI-E 3.0 x4 (in x8 slot)</li> </ul>   |  |      |
|                              | M.2                         | 1 M.2 2280/2242 slot (M-key, w/PCIe 3.0 x2)  |  |      |
| I/O ports                    | Front I/O ports             | <ul style="list-style-type: none"> <li>2 USB 3.1 Gen1 ports</li> <li>2 USB 2.0 ports</li> <li>Audio (In/Out)</li> </ul>  |  |      |
|                              | Rear I/O ports              | <ul style="list-style-type: none"> <li>2 RJ45 Ethernet LAN ports</li> <li>1 DVI-D</li> <li>2 Display Port</li> </ul>   | <ul style="list-style-type: none"> <li>4 USB 3.1 Gen2 ports</li> <li>2 USB 2.0 ports</li> <li>5 Audio Jacks + 1 S/PDIF Output</li> </ul> |      |
|                              | On-board ports              | 2 COM port headers   |  |      |
| Management & Security        | TPM                         | 1 TPM Header for TPM module (Optional)   |  |      |
| Drive Bays                   | Media bays                  | 1 x 5.25" bay, 1 x 3.5" bay  |  |      |
|                              | Storage bays                | 1 x 3.5" HDD bay, 1 x 2.5" SSD bay   |  |      |
| Power supply                 |                             | 300W 80Plus Bronze PSU   |  |      |
| Form factor                  | Form factor                 | Compact  |  |      |
|                              | Dimensions (D x W x H)      | 370 x 96 x 334 (mm) approximately  |  |      |
| Software                     |                             | Altos BrainSphere™ AI Development Platform API   |  |      |
| OS                           |                             | <ul style="list-style-type: none"> <li>Microsoft® Windows 10</li> <li>Red Hat® Enterprise Linux® WorkStation</li> </ul>  |  |      |
| Self-Tested CAD/CAE Software |                             | 3DS Max 2020, Maya 2019, KeyShot® 8.2, Creo Parametric 6.0, HyperWorks®  |  |      |
| Certification                | EMI                         | CE   | FCC  | BSMI |
|                              | Safety                      | CB   | MET  | BSMI |
|                              |                             | Energy-Star  |  |      |
| Warranty                     |                             | 3 Year   |  |      |

1. Support up to 6 core Intel® Xeon® E-2200/E-2100 series CPU
2. Integrated SATA RAID supports RAID 0, 1, 5, 10 on Windows® OS 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.

