

Altos | P

## Altos P10 F9

Altos P10 F9 equipped with 14<sup>th</sup> Generation Intel® Core™ Processor and support DDR5 memory, offers extreme compute power to handle heavy workloads with higher efficiency. Supports multiple PCIe Gen 4 expansion slots and dual PCIe Gen 4 M.2 NVMe SSD which makes high processing performance and data storage speed. Ideal for users demanding long-term usage, performance focusing, and flexible expansions.

### Powerful performance

With 14<sup>th</sup> Generation Intel® Core™ Processors, Altos P10 F9 provides state of art performance. Except for built-in Intel® UHD Graphics high-quality display technology, Altos P10 F9 also support a variety of the latest NVIDIA® graphics cards. With optional NVIDIA® Quadro RTX professional graphics card, its RT and Tensor core support real-time ray tracing and artificial intelligence acceleration, providing the best graphics computing performance.

### Flexible expansions, easy maintenance

Altos P10 F9 has multiple PCIe Gen4 expansion slots, dual PCIe GEN4 M.2 NVMe SSD slots, provides the most flexible and high speed expansion options. Also with latest Wi-Fi 6E to further mitigate the limitation of distance. And thanks to its unique chassis design, users can easily replace or update internal components, significantly reduce maintenance time & costs.

### A variety of choice for chassis and power supplies

Altos P10 F9 provide two kinds of chassis and multiple 80PLUS power supply options, users can easily find the best combinations to meet different demands.



Specification		
CPU	Processor type	Intel 12 <sup>th</sup> / 13 <sup>th</sup> / 14 <sup>th</sup> Core™ series, TDP up to 65W
	Number of processors	1
On-board Devices	Chipset	Intel® B760 Chipset
	SATA	4 SATA3 (6 Gb/s) ports
	SATA RAID	Intel onboard software RAID 0, 1, 5, 10 (only supports Windows OS) <sup>1</sup>
	Graphics	Intel® UHD Graphics 700 series
	Network controller	1 Gb/s (10/100/1000) BASE-T LAN Port (Intel® I219-V)
	Audio controller	5.1 CH HD Audio (Realtek® ALC897)
Memory	Memory slot	4 DIMM slots (Dual channel)
	Memory type	Up to 32GB Non-ECC DDR5 4000 MHz UDIMM <sup>2</sup>
	Total Memory capacity	Up to 128GB
Expansion slots	PCIe / PCI	<ul style="list-style-type: none"> <li>1 PCI-E 4.0 x16 slot</li> <li>1 PCI-E 3.0 x16 slot (x4 Lanes)</li> <li>1 PCI-E 3.0 x1 slot</li> <li>1 PCI slot</li> </ul>
	M.2	<ul style="list-style-type: none"> <li>2 M.2 2280 PCI-E 4.0 slots (For SSD)</li> <li>1 M.2 2230 PCI-E 3.0, E Key for Wi-Fi &amp; Bluetooth</li> </ul>
I/O ports	Front I/O Ports	<ul style="list-style-type: none"> <li>1 USB3.2 Gen2 Type-A(w/1.5A Sharing@S5) (w/i BC1.2) Port</li> <li>3 USB3.2 Gen1 Type-A Ports</li> <li>1 USB3.2 Gen2 Type-C Port</li> <li>1 SD Card Reader (Optional)</li> <li>1 Combo Jacks (In/Out)</li> </ul>
	Rear I/O Ports	<ul style="list-style-type: none"> <li>1 VGA Port</li> <li>1 HDMI 2.1 Port</li> <li>4 USB 2.0 Ports</li> <li>1 Com Port</li> <li>2 DP 1.4 Ports</li> <li>3 Audio jacks (In/Out/MIC)</li> <li>1 RJ45 Port</li> </ul>
Commercial features		<ul style="list-style-type: none"> <li>Integrated TPM v2.0</li> <li>Kensington lock slot</li> <li>Hard drive password protection (via BIOS)</li> <li>WOL (Wake On Lan)</li> <li>RAID support (via BIOS)</li> </ul>
Drive Bays	Media bay (Optional)	<ul style="list-style-type: none"> <li>[10L/20L] slim ODD bay : For 9.0 mm ODD</li> </ul>
	Storage bay	<ul style="list-style-type: none"> <li>[10L] 1 x 3.5" slots : For hard disk</li> <li>[20L] 2 x 3.5" slots : For hard disks</li> </ul>
Power supply		<ul style="list-style-type: none"> <li>[10L/20L] 300W Single –rail 12V, 80PLUS® Brown or Platinum</li> <li>[10L/20L] 400W Single –rail 12V, 80PLUS® Gold</li> <li>[20L] 500W Single –rail 12V, 80PLUS® Gold</li> <li>[20L] 750W Single-rail 12V, 80PLUS® Gold</li> </ul>
Dimensions (D x W x H)		<ul style="list-style-type: none"> <li>[10L] 348.7 (D) x 105 (W) x 335 (H) mm (13.73 x 4.13 x 13.19 inches)</li> <li>[20L] 335 (D) x 175 (W) x 370 (H) mm (13.19 x 6.89 x 14.57 inches)</li> </ul>
OS		<ul style="list-style-type: none"> <li>Microsoft® Windows 10/11 Pro 64-bit</li> <li>UEFI Shell</li> </ul>
System compliance		RoHS, DMI, GS, ENERGY STAR®, PC2001
Certification		BSMI, CE, FCC, CB
<ol style="list-style-type: none"> <li>Integrated SATA RAID supports RAID 0, 1, 5, 10 on Windows® OS only.</li> <li>Memory speed may vary, depending on the CPU, chipset or memory fitted. MEM Frequency 4400(2DPC-1DIMM), 4000(2DPC-2DIMM 1R), 3600(2DPC-2DIMM 2R)</li> <li>Extended warranty services may vary by country. Please contact Altos for more information</li> </ol>		

**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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