

Altos BrainSphere™ GB10 F1

Mini AI Workstation, Maximum Power

Accelerate innovation with Altos aiGeni,
one-click development platform



Altos BrainSphere™ GB10 F1: Mini Size, Mighty Performance

Unmatched AI Performance, Redefining Desktop Computing

Powered by the NVIDIA GB10 Grace Blackwell Superchip, the Altos BrainSphere™ GB10 F1 delivers up to 1 PetaFLOP of AI computing power, handling even the most demanding AI workloads with ease. With 128GB LPDDR5x unified memory and up to 4TB NVMe SSD storage, the GB10 F1 delivers fast, stable, and efficient performance for model development, prototyping, fine-tuning, and real-time inference. It is the ideal AI platform for developers, startups, researchers, and educators.

NVIDIA GB10 Grace Blackwell Superchip

Powered by the NVIDIA GB10 Grace Blackwell Superchip from NVIDIA DGX Spark and 5th Gen Tensor Cores, this desktop-class design drives AI model fine-tuning, Generative AI, and AI Agent development.

High-performance 20-core Arm CPU

Enhanced for data preprocessing and orchestration, ensuring high-speed and stable performance for both model fine-tuning and real-time inference.

NVIDIA NVLink™-C2C Technology

With a unified CPU-GPU memory architecture delivering up to 5x the bandwidth of PCIe 5.0, it dramatically enhances the efficiency and stability of model fine-tuning and inference.

Flexible Scalability for Large-Scale AI

Built-in NVIDIA® ConnectX®-7 delivers high-bandwidth, low-latency connectivity. Two systems can be interconnected to multiply performance, supporting models from 200B to 405B parameters with ease.

Flexible Deployment Across Edge and Cloud

The Altos BrainSphere™ GB10 F1 comes with the full NVIDIA AI software stack, enabling developers to rapidly model fine-tuning, infer, and deploy locally, while seamlessly extending to DGX Cloud or accelerated data centers — combining cost efficiency with scalable flexibility.

Altos aiGeni: One-Click AI Development & Deployment Platform

Combining the desktop-class supercomputing power of the Altos BrainSphere™ GB10 F1 with Altos aiGeni intelligent development tools, it delivers AI solutions tailored to the most demanding needs.

One-Click Start

Supports frameworks such as TensorFlow and PyTorch, with one-click environment setup so developers can focus on model innovation.

Live-monitoring

Built-in real-time dashboard displays CPU, GPU, and memory usage, optimizing resource allocation and prevent performance bottlenecks.

Auto Backup

Automatically saves project results based on user-defined schedules, reducing data loss risks and safeguarding research progress.

Smart Tools

Intuitive tools simplify workflows, enabling teams to focus on innovation and shorten the time from concept to deployment.

Built for Real-World AI Applications



Prototyping



Fine-Tuning



Inference



Data Science



Robotics



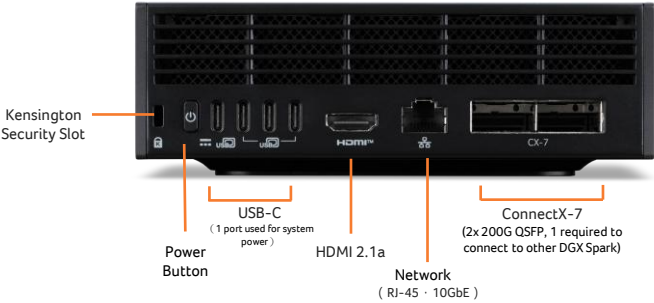
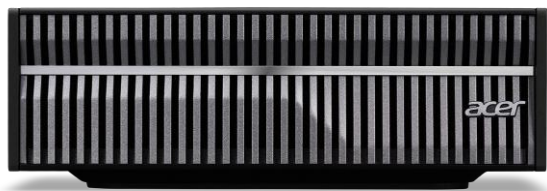
Edge Computing

Reach out to Altos partners for more information: sales@altoscomputing.com

Altos BrainSphere™ GB10 F1 Specification

GPU	NVIDIA Grace Blackwell
CPU	Arm 20 core, 10 Cortex-X925 + 10 Cortex-A725
CUDA® Cores	6,144
Tensor Core	5th Generation
RT Core	4th Generation
Tensor Performance	1 petaFLOP AI performance*
System Memory	128GB LPDDR5x coherent unified system memory
Memory Interface Memory Bandwidth	256-bit 273 GB/s
Storage	4 TB NVME.M2 with self encryption
USB	3 x USB 3.2 Gen 2x2 Type-C, 20Gbps, alternate mode (DisplayPort) 1 x USB 3.2 Gen 2x2 Type-C, with PD in (180W EPR PD3.1 SPEC)
Ethernet	1x RJ-45 connector 10 GbE
NIC	NVIDIA ConnectX®-7 NIC
Wi-Fi	Wi-Fi 7
Bluetooth	Bluetooth 5.3 with LE
Audio Output	HDMI multichannel audio output
Display Connector	1 x HDMI 2.1a
NVENC NVDEC	1 x / 1 x
OS	NVIDIA DGX™ OS
Max Power Consumption	170W
System Dimensions	150 × 150 × 50 mm (1.13L)
System Weight	< 1.5 kg
AI Software	Altos aiGeni

*Theoretical FP4 PFLOPS using the sparsity feature.



About Altos Computing Inc.

Altos Computing Inc. (abbr. Altos) was established in 2017 as a subsidiary of Acer Inc. Built on agile R&D capabilities and a comprehensive partner ecosystem, Altos integrates ODM, IHV, and ISV technologies to deliver end-to-end solutions covering AI servers, workstations, thin clients, interactive touch panel, networking, and storage devices.

In the AI-driven era, Altos focuses on artificial intelligence and cloud solutions, high-performance computing (HPC), virtual desktop infrastructure (VDI/IDV), and hyper-converged infrastructure (HCI), helping enterprises accelerate digital transformation and innovation. Its customers include AI and deep learning developers, enterprises, public sector organizations, academic and research institutions, financial services, cloud service providers, and data center operators. Altos is committed to driving the future of intelligent computing.

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