ASUS Ascent GX10

Ultra-Compact AI SuperComputing for Edge & Next-Gen Tasks

ASUS Ascent GX10 –
Compact, Powerful, and Scalable

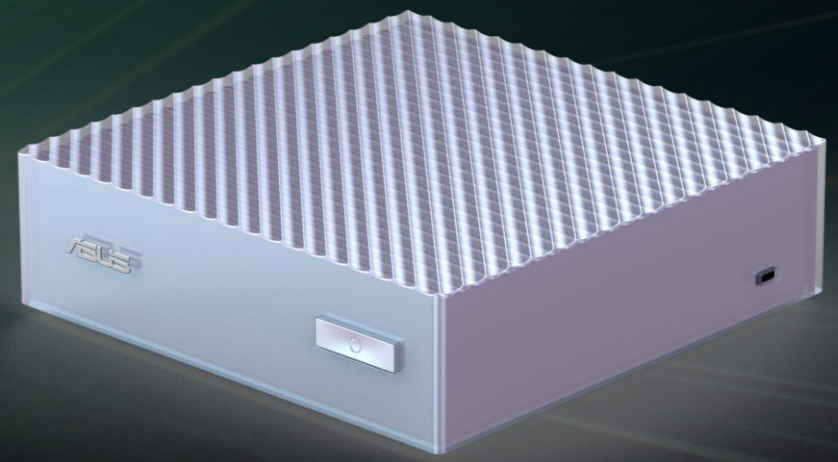
AI Performance, Optimized for Developers
- Powered by NVIDIA GB10 Superchip (20-core Arm® CPU + Blackwell GPU)
- Delivers up to 1000 AI TOPS for AI inference and model fine-tuning
- Supports 128GB unified memory, enabling 200B parameter models

Scalable & Expandable for AI Workloads
- NVLink-C2C for ultra-fast CPU-GPU memory communication
- ConnectX-7 networking enables dual GX10 system scaling

Engineered for Maximum Efficiency
- Optimized cooling design ensures sustained AI performance under heavy workloads
- Compact form factor, delivering high-density AI computing in a small footprint

Ultra-Small, Built for AI Breakthroughs

Available Q3 ‘25



ASUS IN SEARCH OF INCREDIBLE

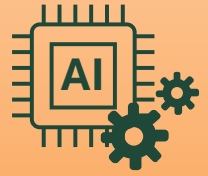
*Illustrative image. The final product may vary.

Unleash AI Potential

Integrated AI Software Stack for Seamless Development

Preloaded AI for Instant Development

- NVIDIA DGX Base OS (Ubuntu-based) – Optimized AI environment, ready to use.
- NVIDIA AI Software Stack – Preloaded frameworks, SDKs, and tools for fast deployment.



Optimized AI Tools & AI Frameworks

- CUDA, PyTorch, TensorFlow, Jupyter – Optimized for AI model development & inference.
- NVIDIA TensorRT – High-performance AI inference engine.
- NVIDIA NIMs & Blueprints – Prebuilt AI workflows & microservices.

Industry-Leading AI Model Support

- DeepSeek R1 – AI inference optimized up to 70B parameters.
- Llama 3.1 – Generative AI up to 405B parameters (dual-GX10).
- Meta, Google models – Broad compatibility with industry-leading AI frameworks.

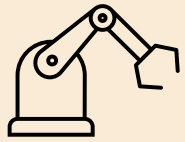
Real-World AI Applications

Empowering AI Development Across Industries

- ✓ **On-Prem AI Computing** – Secure, cost-effective, cloud-independent.
- ✓ **Flexible AI Deployment** – Scales from local development to enterprise.
- ✓ **Optimized for AI Workflows** – Preloaded AI stack, seamless compatibility, real-world benchmarks.
- ✓ **Long-Term Reliability** – ASUS ensures stable supply & enterprise-grade support.

Applicable Industries

Healthcare

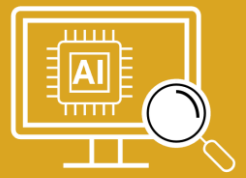


Industrial AI & Automation

Financial Services

Retail & E-commerce

Target Users & Applications



AI Researcher

AI Developer

Data Science

Students

Product Specification

Category	SPEC
AI Performance	Delivers up to 1000 AI TOPS of AI processing power for extensive workloads
Processor	Powered by the NVIDIA GB10 Grace Blackwell Superchip, featuring a high-performance 20-core Arm CPU.
Memory	Equipped with 128 GB of unified system memory, supporting AI models up to 200 billion parameters.
GPU	Includes a robust Blackwell GPU with fifth-generation Tensor Cores and FP4 support.
High-Bandwidth Connectivity	Uses NVLink™-C2C to deliver a cohesive CPU+GPU memory model with five times the bandwidth of PCIe Gen 5.
Scalable Performance	Integrated NVIDIA® ConnectX®-7 network technology allows two GX10 systems to be linked for handling even larger models
Advanced AI Model Support	Enables developers to prototype, refine, and infer the latest AI reasoning models, such as DeepSeek R1 up to 70 billion parameters, directly on their desktop.
AI Development Environment	NVIDIA DGX Base OS with Ubuntu Linux, preconfigured with the latest NVIDIA AI software. Developer Access: Includes NVIDIA NIM and Blueprints. Supports PyTorch, Jupyter, Ollama for prototyping and inference.