ProductSheet

HP ZGX Nano G1n AI Station (D89HGUT)

AI supercomputing goes Nano

Accelerate AI workflows with HP ZGX Nano and ZGX Toolkit[1], high-performance local compute combined with a curated open-source stack for prototyping, fine-tuning and inferencing. Built-in IP discovery, model export and local serving reduce friction, ensuring repeatable, deployment-ready results.

Big AI performance. Tiny footprint.
Prototype, fine-tune, and inference models of up to 200B parameters locally. Powered by NVIDIA® GB10 Grace Blackwell Superchip[2] and 128 GB of coherent unified memory, the HP ZGX Nano delivers 1,000 TOPS of FP4 AI performance in a compact desktop.

HP ZGX Toolkit: Accelerate time to results
Move from idea to deployment faster. The ZGX Toolkit[1] streamlines AI workflows by pairing powerful local compute with open-source tools, built-in discovery, and easy export—helping teams cut friction, boost productivity, and scale results anywhere.

Offload AI workloads without the cloud
Pair existing laptop and desktop systems—Windows, Mac, or Linux—with a network-connected HP ZGX Nano. Get developer-grade performance without data center queues and costly cloud instances, minimizing latency and keeping sensitive information local.

Featuring

NVIDIA® DGXTM OSand AI softwarestack
Hit the ground prototyping, fine-tuning, and inferencing with familiarNVIDIA® DGXTM OS and integrated NVIDIA® AI software stack purpose-built for modern AI development.

NVIDIA® GB10 GraceBlackwell Superchip
Get up to 1000 TOPS of AI compute at FP4 precision with an NVIDIA®Blackwell GPU. Supercharge data preprocessing and orchestration with aGrace 20-core Arm CPU. [3]

Unified systemmemory
Run AI development and testing workloads with AI models of up to 200billion parameters at your desk with 128 GB of coherent unified systemmemory.

Tiny AI powerhouse
Measuring at 150mm L x 150mm W x 51mm H,5 this new class ofdesktop is purpose-built for AI development yet fits in the palm of yourhand. [4]

Specifications

Form Factor	Mini
Operating System Software	NVIDIA DGX ™ OS
Processor Family	NVIDIA Grace Blackwell
Processor Name	NVIDIA® GB10 Grace Blackwell Superchip (20-core Arm, 10 Cortex-X925 and 10 Cortex-A725)
Standard Memory Description 01	128 GB LPDDR5x-8533 MT/s (onboard)
Hard Drive Description (01)	4 TB PCIe® Gen4 NVMe™ TLC SED M.2 SSD
Audio Features	HDMI Audio Output
Product Dimensions (metric)	15 x 15 x 5.1 cm (without feet); 15 x 15 x 5.45 cm (with feet) *(Standard desktop orientation.)*
Product Dimensions (imperial)	5.9 x 5.9 x 2.01 in (without feet); 5.9 x 5.9 x 2.1 in (with feet) *(Standard desktop orientation.)*
Weight (metric)	Starting at 1.25 kg *(Exact weights depend upon configuration (System weight only))*
Weight (imperial)	Starting at 2.76 lb *(Exact weights depend upon configuration (System weight only))*
Package Dimensions (metric)	21.6 x 14.2 x 27.2 cm
Package Dimensions (imperial)	8.5 x 5.6 x 10.7 in
Package Weight (metric)	Starting at 2.5 kg
Package Weight (imperial)	Starting at 5.4 lb
External I/O Ports	1 USB Type-C® power connector; 3 USB Type-C® 20Gbps signaling rate; 1 RJ-45 (10Gbps); 2 QSFP 200 Gbps signaling rate; 1 HDMI 2.1a
Power Supply Required	240 W external USB Type-C® power adapter, up to 89% efficiency, active PFC
Sustainable Impact Specifications	40% post-consumer recycled plastic; 60% post-consumer recycled plastic; 100% sustainably sourced packaging; Contains at least 20% post-industrial recycled steel; 100% sustainably sourced packaging or recycled; 75% recycled aluminum
UPC Number	(ABA) 821844460375; (ABC) 821844460382

Top Recommended Displays, Accessories and Services

No Top Recommended Displays, Accessories and Services

Messaging Footnotes

[1] The HP ZGX Toolkit is provided free of charge. Use requires a client device running Windows 11 or Ubuntu 24.04 (or later) with Visual Studio Code installed and host device ZGX Nano. The client device must be x86-based, but otherwise there are no restrictions regarding hardware specifications or device manufacturer. Availability may vary by region and is subject to applicable local laws, regulations, and restrictions.

[2] Multi-core is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations.

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[4] Height excludes feet.

Technical Specifications Footnotes

No Technical Specifications Footnotes