

HP ZGX Nano G1n AI Station (CZ2V8UT)



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.

Specifications

Form factor	Mini
Operating system	NVIDIA DGX™ OS
Processor family	NVIDIA Grace Blackwell
Processor	NVIDIA® GB10 Grace Blackwell Superchip (20-core Arm, 10 Cortex-X925 and 10 Cortex-A725)
Memory	128 GB LPDDR5x-8533 MT/s (onboard)
Internal Storage	4 TB PCIe® Gen4 NVMe™ TLC SED M.2 SSD
Graphics	Integrated
Graphics (integrated)	NVIDIA® Blackwell GPU Architecture
Audio	HDMI Audio Output
Dimensions (W x D x H)	15 x 15 x 5.1 cm (without feet); 15 x 15 x 5.45 cm (with feet) (Standard desktop orientation.)
Dimensions (W x D x H)	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	Starting at 1.25 kg (Exact weights depend upon configuration (System weight only))
Weight	Starting at 2.76 lb (Exact weights depend upon configuration (System weight only))
Package dimensions (W x D x H)	21.6 x 14.2 x 27.2 cm
Package dimensions (W x D x H)	8.5 x 5.6 x 10.7 in
Package weight	Starting at 2.5 kg
Package weight	Starting at 5.4 lb
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
Network interface	NVIDIA ConnectX-7 200 GbE Ethernet Controller
Wireless	MediaTek Wi-Fi 7 MT7925 (2x2) and Bluetooth® 5.4 wireless card
Power	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) 199764756268; (ABC) 199896046480

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.

Technical Specifications Footnotes

No Technical Specifications Footnotes

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