

Introducing a New Category of Workstations

HP ZGX Nano G1n AI Station

AI Supercomputing Goes Nano



HP ZGX Nano G1n AI Station

New Category of AI Compute

- **Powered by NVIDIA® DGXTM Spark GB10:**
Grace Blackwell Superchip with 6144 CUDA Cores, 1000 TOPS of FP4 AI performance + 20-core Arm CPU for high-performance local AI.
- **Portable & Sleek:**
Lightweight, fits any desk, easy to transport.
- **Developer Streamlined Workflows:**
128GB unified memory: prototype, fine-tune up to 70B, and inference models up to 200B parameters local.
- **Flexible Deployment:**
Standalone workstation or networked personal AI companion; link two units for models up to 405B parameters.
- **Enterprise-Grade Stack:**
NVIDIA® DGXTM OS (Linux only) + accelerated AI software for seamless migration to NVIDIA DGXTM data centers or cloud.
- **HP ZGX Toolkit:**
The HP ZGX Toolkit streamlines AI workflows with open-source tools, built-in discovery, and easy export—helping teams cut friction, boost productivity, and scale results anywhere.



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Use Cases

Core AI Development Use Cases:



- 1 Prototyping:** Rapidly test new ideas and approaches.
- 2 Fine-Tuning:** Refine and customize AI models for business domain specific needs.
- 3 Inference:** Delivering real-time value, from testing to business impact.

Domain/Industry Specific Use Cases:

- 4 Data Science:** Leveraging data insights to inform strategic decisions.
- 5 Edge Applications:** Robotics, Vision Language Models (VLMs), Computer Vision



Target Users and Market Segments

- **Fast Prototyping for Enterprise Developers**
Quickly build and test prototypes with local deployment, accelerating development cycles.
- **Students / Academics / Education Labs / Research Labs**
Gain hands-on experience with advanced AI tools for learning, research, and experimentation, no need for expensive cloud resources.
- **Cost-Efficient Startup Iteration**
Startups benefit from iterating their workflows without incurring costly cloud expenses, enabling sustainable growth.
- **Enthusiasts**
Explore and experiment with AI models locally, making innovation accessible to anyone passionate about technology.



HP ZGX: empowering AI innovation without complexity or surprise costs.

- **Why choose HP ZGX Nano over other solutions?**

HP ZGX Nano delivers a complete developer-first oriented AI solution: advanced hardware + developer-focused ZGX Toolkit + HP's broader AI portfolio for seamless, local AI development.

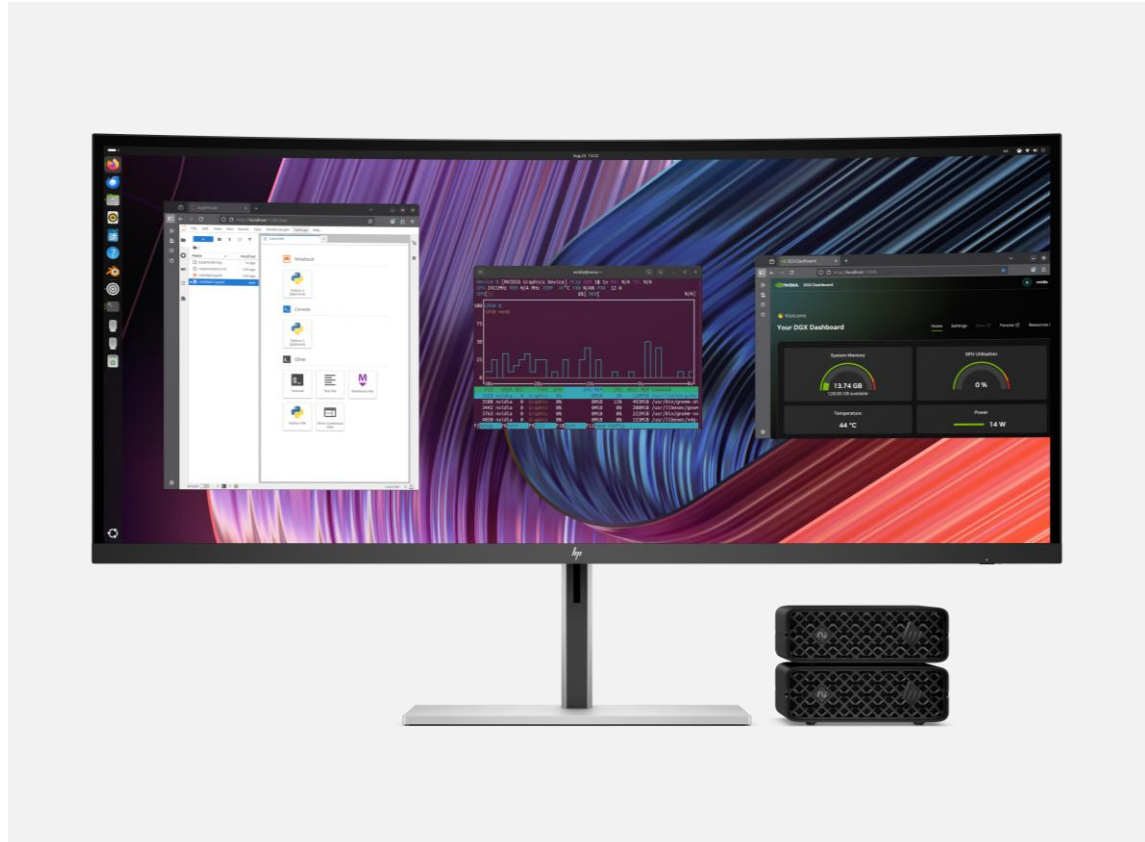
- **No Need for Costly Licenses:**

HP ZGX supports open-source frameworks for flexible, cost-effective deployment.



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Big AI performance. Tiny footprint.

Develop models up to 200B parameters on-device with NVIDIA® GB10 Grace Blackwell Superchip, 128 GB coherent unified system memory, and 1,000 TOPS – in a compact desktop.

HP ZGX Toolkit: Accelerate Time to Results

ZGX Toolkit streamlines workflows with powerful local compute, built-in discovery, open-source tools, and easy export to cut friction and boost productivity.

Offload AI Workloads Without the Cloud

Pair your Windows, Mac, or Linux system with a network-connected ZGX Nano for developer-grade performance—no cloud costs, no queues, minimal latency.

Advance Edge AI Solutions

Run real-time CV, agentic, and domain-specific models directly where data is generated for intelligent, responsive edge AI solutions.



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Product Specifications



Chassis	Nano desktop, 150mm x 150mm x 51mm, HP ID
SOC/Architecture	NVIDIA GB10 Grace Blackwell Superchip
Memory	128GB LPDDR5x coherent unified system memory, 16 channels, 273 GB/s
Storage	1x PCIe Gen5 NVMe M.2 drive 4TB capacities, self-encrypting*
Connectivity	Rear: 4x USB3.2 Type-C, 20Gbps (3 with PD out, 1 with PD in) Bluetooth 5.3
Networking	Wi-Fi 7 [†] Ethernet 1x 10Gb, RJ-45 Connect-X 7: 2x 200G, QS Support for connecting two ZGX Nano units via CX-7 QSFP port
Display Output	1x HDMI 2.1a DP 1.4 over USB-C
Security	TPM 2.0
Peripherals	No keyboard or mouse included with system
Chassis LED	Power LED
Power	240W USB-C external power adapter
Regulatory	TAA Compliant
BIOS	HP Partner BIOS
OS	NVIDIA DGX Base OS, Ubuntu Linux
Preloaded Software	Co-branded setup wizard NVIDIA DGX AI Enterprise Software Stack

*TB = 1 trillion bytes. Actual formatted capacity is less. [†]Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 7 (802.11BE) functionality requires compatible operating system, compatible processor, and separately purchased Wi-Fi 7 router to support backwards compatibility with prior 802.11 specs. Available in countries where Wi-Fi 7 is supported. The specification for 802.11BE is a draft specification and is not final. If the final specification differs from the draft specification, it may affect the ability of the device to communicate with other 802.11BE devices.

Unlock Fast, Cost-Effective AI Innovation at your Desk

With HP ZGX Nano and the lightweight HP ZGX Toolkit, developers get to AI outcomes faster than ever, unlocking domain specific local AI for on-desk innovation.

Get started today, empower your team, accelerate results, and control costs.

Place your order now.





Disclaimers:

1. 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.
2. 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.

