HP ZGX Nano G1n AI Station (D10NPUT)

Overview

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.

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.

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.

Advance edge AI solutions

Realize the true potential of edge AI solutions. From real-time computer vision to running agentic and domain-specific models locally, get the performance needed to deploy intelligent, responsive solutions directly where data is generated.

Features

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.

NVIDIA® ConnectX™ Networking

Work with even larger AI models locally—up to 405 billion parameters—by connecting two HP ZGX Nano systems together to scale localcompute resources.[4]

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.[5]

---

[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.

[3] 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.

[4] Requires compatible QSFP cable. Sold separately.

[5] Height excludes feet.

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	2 TB PCIe® Gen4 NVMe™ TLC 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))*
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
Package dimensions (W x D x H)	21.6 x 14.2 x 27.2 cm
Package weight	Starting at 2.5 kg
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	199896027960
Manufacturer Warranty	1 year (1/1/0) limited warranty includes 1 year of parts and labor. No on-site repair. Terms and conditions vary by country. Certain restrictions and exclusions apply.

Additional specifications

Additional information about HP in the countries	hp.com
Bluetooth version	Bluetooth® 5.4
Certifications and compliances	TAA compliant
Datasheet photo 1	Publication photos/Forza_1.png
Datasheet photo 3	Publication photos/Forza_3.png
Datasheet photo 4	Publication photos/Forza_4.png
Datasheet photo 5	Publication photos/Forza_5.png
I/O Port location	Rear
Memory and storage	128 GB memory;2 TB SSD storage
Memory layout (slots & size)	onboard
Memory size	128
Memory size uom	GB
Memory speed	8533
Memory speed uom	MT/s
Memory type	LPDDR5x
Package dimensions (W x D x H)	8.5 x 5.6 x 10.7 in
Package weight	Starting at 5.4 lb
Processor Brand	NVIDIA®
Processor core	20
Processor model	GB10
Product long name specifications	HP ZGX Nano G1n AI Station, NVIDIA DGX ™ OS, NVIDIA® 128GB RAM, 2TB SSD, AI Workstation; AI PC
Product short name specifications	HP ZGX Nano G1n AI Station, NVIDIA® 128GB RAM, 2TB SSD, AI Workstation; AI PC
Software included	NVIDIA AI software stack
Standard memory note	Transfer rates up to 8533 MT/s.
Storage capacity	2
Storage capacity uom 01	TB
Storage form factor 01	M.2
Storage interface 01	PCIe® Gen 4
Storage interface protocol 01	NVMe™
Storage memory technology 01	TLC
Storage type	SSD

Storage type 01	SSD
UNSPSC code	43211515
Wireless Model	MT7925
Wireless antenna	2x2
Wireless standard	Wi-Fi 7
Wireless supplier	MediaTek

Services

Workforce Computing

★ : Recommended

Support Services (Workforce Computing)

HP 3y NBD Advanced Exchange WS HW Supp	UN3N8E
HP 3y NBD Advanced Exchange w/DMR WS HW Supp	UR1M7E

Monitors

Business Monitors

★ : Recommended

E-Series

HP E22 G5 FHD Monitor	6N4E8AA
HP E24mv G4 FHD Conferencing Monitor	169L0AA
HP E24t G5 FHD Touch Monitor	6N6E6AA
HP E27 G5 FHD Monitor	6N4E2AL
HP E27k G5 4K USB-C Monitor	6N4C4AA
HP E32k G5 4K USB-C Monitor	6N4D6AA
HP E45c G5 DQHD Curved Monitor	6N4C1AA

Business LCD Monitors

HP P204v 19.5-inch Monitor	5RD66AA

P-Series

HP P34hc G4 WQHD USB-C Curved Monitor	21Y56AA

Series 3 Pro

HP Series 3 Pro 21.45 inch FHD Monitor - 322pv	9U5A2A6
HP Series 3 Pro 21.45 inch FHD Monitor - 322pv	9U5A2AA
HP Series 3 Pro 21.5 inch FHD Monitor - 322pf	9U5B0AF
HP Series 3 Pro 21.5 inch FHD Monitor - 322pf	9U5B0UT
HP Series 3 Pro 21.5 inch FHD Monitor 322ph	B0BN7UT
HP Series 3 Pro 23.8 inch FHD Monitor - 324pe	B1GM5AA
HP Series 3 Pro 23.8 inch FHD Monitor - 324pf	9U5J5AF
HP Series 3 Pro 23.8 inch FHD Monitor - 324pf	9U5J5UT
HP Series 3 Pro 23.8 inch FHD Monitor - 324ph	B0BU9UT
HP Series 3 Pro 23.8 inch FHD Monitor - 324pv	9U5C1A6
HP Series 3 Pro 23.8 inch FHD Monitor - 324pv	9U5C1AA
HP Series 3 Pro 23.8 inch FHD Monitor - 324pb	B22BDAA
HP Series 3 Pro 27 inch FHD Monitor - 327pe	B1GM6AA
HP Series 3 Pro 27 inch FHD Monitor - 327pf	B0CG3UT
HP Series 3 Pro 27 inch FHD Monitor - 327ph	B0CG8UT

Series 5 Pro

HP Series 5 23.8 inch FHD Monitor - 524da	B11W5AT
HP Series 5 27 inch FHD Monitor - 527da	B11W6AT
HP Series 5 Pro 14 inch WQXGA Portable Monitor - 514pn	B88JWAA
HP Series 5 Pro 23.8 inch FHD Monitor - 524pf	9D9L6AL
HP Series 5 Pro 23.8 inch FHD Monitor - 524pf	9D9L6UT
HP Series 5 Pro 23.8 inch FHD Monitor (Made in VN) - 524pf	B46LQAA
HP Series 5 Pro 23.8 inch FHD No Stand Monitor - 524pf	9D9L6A9
HP Series 5 Pro 23.8 inch FHD No Stand Monitor - 524pf	9D9L6U9
HP Series 5 Pro 23.8 inch FHD USB-C Conferencing Monitor - 524pm	9E0G9UT
HP Series 5 Pro 23.8 inch FHD USB-C Monitor - 524pu	9D9V7AA
HP Series 5 Pro 24 inch WUXGA Monitor - 524pn	9D9A7AA
HP Series 5 Pro 24 inch WUXGA Monitor - 524pn	9D9A7U9
HP Series 5 Pro 24 inch WUXGA Monitor (Made in VN) - 524pn	B41HLAA
HP Series 5 Pro 27 inch FHD Monitor - 527pf	B28F5AS
HP Series 5 Pro 27 inch FHD Monitor - 527pf	B28F5UT
HP Series 5 Pro 27 inch QHD Monitor - 527pq	9D9S0UT
HP Series 5 Pro 27 inch QHD Monitor - 527pq	B3PB7AA
HP Series 5 Pro 27 inch QHD No Stand Monitor - 527pq	9D9S0A9
HP Series 5 Pro 27 inch QHD No Stand Monitor - 527pq	9D9S0U9
HP Series 5 Pro 27 inch QHD USB-C Conferencing Monitor - 527pm	9E0Y9UT
HP Series 5 Pro 27 inch QHD USB-C Monitor - 527pu	9E0G5AA
HP Series 5 Pro 34 inch WQHD USB-C Conferencing Monitor - 534pm	9E0Z2UT
HP Series 5 Pro 49 inch DQHD Conferencing Monitor - 549pm	B7GV8AA

Series 7 Pro

HP Series 7 Pro 23.8 inch FHD Monitor - 724pf	8X530AA
HP Series 7 Pro 24 inch WUXGA Monitor - 724pn	8X534AA
HP Series 7 Pro 24 inch WUXGA USB-C Monitor - 724pu	8Y2F7AA
HP Series 7 Pro 27 inch 4K Conferencing Monitor - 727pm	8K135AA
HP Series 7 Pro 27 inch 4K Thunderbolt 4 Monitor - 727pk	8J9G2AA
HP Series 7 Pro 27 inch QHD Monitor - 727pq	8J4D8UT
HP Series 7 Pro 27 inch QHD Thunderbolt 4 Monitor - 727pu	8J9E6UT
HP Series 7 Pro 31.5 inch 4K Thunderbolt 4 Monitor - 732pk	8Y2K9AA
HP Series 7 Pro 34 inch WQHD Conferencing Monitor - 734pm	8K157UT
HP Series 7 Pro 37.5 inch WQHD+ Thunderbolt 4 Monitor - 738pu	8K167AA
HP Series 7 Pro 39.7 inch 5K2K Conferencing Monitor-740pm	8Y2R2AA

OMEN by HP Monitors

OMEN 27 inch QHD 165Hz Gaming Monitor - OMEN 27qz	AK2B3AA

Accessories for PC

Port Replicators/Dongles/Docking

★ : Recommended

Cables/Cable Adapters/Dongles

HP HDMI to VGA Adapter	H4F02AA
HP USB-C to DisplayPort Adapter G2	8Y8Y1AA
HP USB-C to HDMI Adapter	4SH07AA
HP USB-C to USB 3.0 Adapter	N2Z63AA
HP USB-C to VGA Adapter	4SH06AA
HP ZGX 0.5m QSFP112 Ethernet DAC Cable	C20MQAA

Port Replicators

HP USB-C to USB-A Hub	Z6A00AA

Disclaimer — Copyright

© Copyright 2026 HP Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Generated by Dynamic Collateral Tool – (us-en) – Apr 16, 2026 11:03 AM UTC+0000