Lenovo ThinkStation

Lenovo ThinkStation PGX
Smarter AI Starts Smaller

Lenovo

Accelerated by NVIDIA

The Lenovo ThinkStation PGX is the first Lenovo workstation accelerated by the NVIDIA GB10 Grace Blackwell Superchip. Purpose-built to complement your AI workflow, it offers a controlled, sandbox environment for prototyping, fine-tuning, and inferencing—seamlessly integrating into existing workstation setups to boost compute capacity and support models with up to 200B parameters. Preloaded with the NVIDIA DGX™ OS and the NVIDIA AI software stack, plus popular tools like PyTorch and Jupyter Notebooks, the PGX delivers a familiar, efficient development experience. It's an ideal companion for developers, researchers, and students seeking scalable AI capabilities without the complexity or cost of cloud infrastructure.

Processor:	GPU:	Unified System Memory:	AI:
ARM 20 Cores	**NVIDIA Blackwell Architecture**	**128GB LPDDR5x**	**1000 TOPS**
10 Cortex-X925cores 10 Cortex-A725 cores	5th Gen Tensor Cores 4th Gen RT Cores	Support for AI models up to 200B parameters	1000 Trillion Operations Per Second for blazing fast inference

Lenovo Options & Accessories

ThinkVision P27Q-40 Display

Lenovo Essential Wireless Combo Keyboard & Mouse Gen2 Black

For a full list of accessories and options, please visit:
accsmartfind.lenovo.com

For more details on ThinkStation and ThinkPad, please visit:
lenovo.com/workstations

Visit us on social media:
#lenovoworkstations

Lenovo ThinkStation PGX
Product Specifications^

Performance

Architecture
NVIDIA Grace Blackwell

Processor
NVIDIA Grace 20 core Arm® CPU
10 Cortex-X925 cores
10 Cortex-A725 cores

GPU
NVIDIA Blackwell Architecture

CUDA® Cores	Blackwell
Tensor Cores	5th gen
RT Cores	4th gen

Dedicated NVENC video encoder
Dedicated NVDEC video decoder

AI
1000 TOPS
1 PFLOP (FP4, sparsity)

Unified System Memory
128GB LPDDR5x
256-bit bus
273 GB/s bandwidth

Total Storage
1TB or 4TB NVMe M.2
with self-encryption

Scalability
Two ThinkStation PGX nodes can be linked via integrated NVIDIA ConnectX®-7 to handle models up to 405B parameters

Power Consumption
240W

Software

Operating System
NVIDIA DGX OS

Ubuntu Linux® Pro with NVIDIA Base OS

Pre-installed NVIDIA software
NVIDIA AI Software Stack
CUDA 13
GB10 Dashboard
AI Workbench

Connectivity

Rear Ports
(4) USB4 Type-C (20Gb/s)*
(1) HDMI 2.1a (multichannel audio)
(1) RJ-45 10 GbE
(2) ConnectX-7 (required to connect to other ThinkStation PGX)

Wireless Connectivity
Wi-Fi 7
Bluetooth™ 5.3 LE

LAN
10 GbE

Security
Self-encrypting NVMe (AES SED)
TPM 2.0
NVLink-C2C enclave
NVIDIA FW Recovery
AMI Setup Password
UEFI Secure Boot

Design

Volume
1.13 Liter (Small Form Factor)

Dimensions (WxDxH)
(mm): 150 x 150 x 50.50
(inches): 5.91 x 5.91 x 1.99

Weight
Starting at: 2.65lbs (1.2kg)

Sustainability

Packaging
Carton: 90% Recycled and/or FSC certified content

Cushion: 90% Recycled EPE

Certifications
RoHS Compliant

Recommended Services

Lenovo offers a comprehensive portfolio of services to support and protect your ThinkStation investment—so you can focus on your business, not your IT.

Premier Support
Bypass phone menus and scripted troubleshooting to access advanced-level technicians with the expertise needed to quickly diagnose and solve problems.

Keep Your Drive
Enhance your data protection by keeping ownership of your hard-drive in case of replacement.

^ For a full list of configuration details, specifications, and any limitations please visit: **https://psref.lenovo.com**

* USB port transfer speeds are approximate and depend on many factors, such as processing capability of host/peripheral devices, file attributes, system configuration and operating environments; actual speeds will vary and may be less than expected.