BRING LOCAL AI CLOSER TO THE WORK

See where local AI on Lenovo Workstations fits within Lenovo Hybrid AI Advantage™ with NVIDIA

Hover or click on this icon throughout the infographic to learn more.



Local AI runs models and agents close to users, applications, and data, within a Hybrid AI environment. For suitable workloads, Lenovo Workstations with NVIDIA provide dedicated capacity close to the work as part of Lenovo Hybrid AI Advantage™ with NVIDIA.

ACCELERATE AI DEVELOPMENT

Give developers local, dedicated access to the performance they need to build, test, and refine.

IMPROVE WORKFLOW PRODUCTIVITY

Keep local inference, agentic AI, and demanding professional applications responsive with a configuration sized for the complete workflow.

SUPPORT DATA CONTROL AND GOVERNANCE

Give IT greater control over where processing occurs and how data moves, while meeting approved data access, security, and AI governance requirements.

MAKE MORE INTENTIONAL INFRASTRUCTURE INVESTMENTS

Match dedicated and shared capacity to workload requirements, utilization, economics, and scale.

THE RIGHT FIT STARTS WITH THE WORKLOAD

40% of enterprise applications are forecast to include task-specific AI agents by the end of 2026.[1]

FIVE FACTORS TO HELP PLACE AN AI WORKLOAD

Start with how the workload needs to operate — then evaluate which environment fits best.

1	2	3	4	5
Access and sharing	Performance and responsiveness	Data and proximity	Operating requirements	Economics

No single factor determines placement. Evaluate the workload across all five to determine whether workstation compute or another Hybrid AI environment is the stronger fit.

54% of AI developers surveyed (n=77) say memory limitations slow iteration.[2]

SEE WHERE LOCAL AI ON WORKSTATIONS FITS WITHIN LENOVO HYBRID AI ADVANTAGE™ WITH NVIDIA

Workstation compute is one purposeful part of Hybrid AI. Depending on workload requirements, AI can also run across edge, data center, and cloud environments.

Place each workload in the environment that best matches its performance, operating, and economic requirements.

LENOVO WORKSTATIONS WITH NVIDIA

Give IT greater control over where processing occurs and how data moves, while meeting approved data access, security, and AI governance requirements.

EDGE

Processing close to equipment, operational systems, or distributed data

DATA CENTER

Shared capacity for centralized workloads, services, and operations

CLOUD

Flexible capacity and cloud services when the workload or operating model calls for them

62% of surveyed organizations prefer hybrid as their primary AI deployment model.[3]

ADAPT AS REQUIREMENTS EVOLVE

As agentic AI needs evolve, workloads may stay on workstation compute, expand within the workstation environment, or connect to broader infrastructure. These are parallel choices — not sequential stages.

STAY

Stay on workstation compute when dedicated performance, local access, and the operating model continue to meet requirements.

EXPAND

Increase workstation capability when requirements grow but workstation compute still fits the work.

CONNECT

Connect to edge, data center, or cloud when shared access, availability, orchestration, governance, or scale call for a different operating model.

WHY LENOVO WORKSTATIONS WITH NVIDIA

Lenovo Workstations with NVIDIA give IT options for two growing enterprise needs: developers building, testing, and refining AI models and agentic workflows, and professionals using agentic AI alongside demanding applications. Across the portfolio, IT can match each workload and use case to an appropriate workstation configuration and supported NVIDIA AI software stack while maintaining security, manageability, and flexibility within a broader Hybrid AI environment.



LENOVO THINKSTATION® AND THINKPAD® P SERIES WORKSTATIONS WITH NVIDIA RTX PRO™

A portfolio of desktop and mobile workstations gives IT options to match performance, form factor, mobility, and capability to different local AI, inference, and professional workflows.

FULL-SYSTEM WORKSTATION ENGINEERING

CPU and GPU capability, memory, storage, thermals, expansion, and software compatibility work together to support demanding AI and professional workflows.

THINKSHIELD SECURITY + AGENT GOVERNANCE

ThinkShield helps protect Lenovo Workstations, while IT can deploy, manage, and support workstation-based AI within established practices. NVIDIA Open Agent Safety Platform adds controls for governing agent behavior and defining what agents can access and do.

NVIDIA RTX PRO™ GPUS + AI SOFTWARE

Support development, inference, retrieval, and agentic AI with NVIDIA RTX PRO™ accelerated computing and AI software, including NVIDIA Nemotron™ open models, NVIDIA NeMo™ Retriever, NVIDIA TensorRT™ for RTX, and NVIDIA NIM™ microservices.

FIND THE RIGHT FIT FOR YOUR AI WORKLOADS

Map your AI workloads to the compute environments that best support productivity, control, economics, and scale — and identify where Lenovo Workstations fit within Lenovo Hybrid AI Advantage™ with NVIDIA.

Assess a local AI or inference workflow with a Lenovo Workstation specialist

Sources
1. Gartner, "Gartner Predicts 40% of Enterprise Apps Will Feature Task-Specific AI Agents by 2026, Up From Less Than 5% in 2025," August 2025.
2. Lenovo, "Workstation AI Developer Influencer Research," September 2026. Lenovo AI Survey questionnaire analysis, n=77 AI developers.
3. IDC, "CIO Playbook 2026: The Race for Enterprise AI," January 2026. IDC CIO Playbook 2026 Survey, commissioned by Lenovo, n=1,020 IT and business decision-makers globally.

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