Smarter ways to modernize IT with Lenovo and AMD

Solving IT infrastructure challenges with Lenovo and AMD

Lenovo | AMD

Almost every business is digitally transforming. But it's not enough to transform like everyone else. You need IT modernization designed for your business goals, that will give you the edge over competitors.

The global technological partnership between Lenovo and AMD takes you beyond the ordinary. Our engineering prowess and proven innovations have led to world records, end-to-end security, and real action on sustainability. While others are doing the same old thing, read how Lenovo and AMD solutions can help solve your challenges.

Can you afford to keep following the same path?

Modern IT needs to address security, sustainability, cost-performance, and transformation. Refresh your thinking to outperform those who only refresh their servers.

70%
Of mid-size business significantly will increase IT spending by 2026. (IDC, 2022)[1]

$312,000
Average ransomware ransom paid by organizations in Europe and North America, 2021. (Palo Alto Networks, 2021)[2]

+12%
per year
Average increase in energy consumption by IT infrastructure[3]

5 problems we can help you solve

We've listened to the needs of organizations like yours, and we've built Lenovo solutions powered by AMD EPYC™ processors to meet them.

1. Modernize security from end to end

Instead of tackling a multitude of security problems, protect data and applications everywhere with Lenovo ThinkShield enhanced by AMD Infinity Guard innovations.[4]

Secure-first
Across infrastructure development, manufacturing, supply chain, and testing

Multi-layered
Security defends against threats attacking data and decreases potential attack surfaces

Confidential Computing
Is enabled by AMD Secure Encrypted Virtualization, which ensures privacy in virtualized environments

2. Make a real difference in sustainability

Reduce energy costs by consolidating workloads on fewer servers with industry-leading energy efficiency, with Lenovo servers powered by AMD EPYC processors.

AMD is recognized by CDP as a leader on climate change.[5] Lenovo is working with the with the Science-Based Targets initiative to reach carbon net zero by 2050.[6]

60%
of end-customers will embed sustainability parameters in KPIs by 2023[7]

Highest
performance per watt
reduces power consumption and improves economics[8]

33%
fewer servers
are needed to deliver 10,000 units of integer performance[9]

3. Run more applications and lead in performance

Meet your growing performance needs and deliver more responsive services, run bigger workloads, or accelerate results.

97
performance benchmark world records
more than 2x Lenovo's nearest competitor[10]

Highest
performance
of any x86 server processor[11]

Greatest
compute density
of any x86 server, helping reduce cost and footprint[12]

4. Bring cloud-like agility to on-premises IT

Flexibly grow your data centers, deliver hybrid cloud infrastructure and devices as a service, and more.

Unlock everything as service
Access the broad portfolio of Lenovo and AMD solutions with cloud-like agility.

Scale with ease
Meet new needs with flexible cost efficiency, eliminating bottlenecks.

Empower your workforce
Easily deploy hardware, services, and software to maximize productivity.

5. Power modern workloads that enable transformation

With a broad portfolio of turnkey ThinkAgile solutions and ultra-reliable ThinkSystem servers powered by AMD EPYC processors, you're ready to accelerate innovation.

Cloud computing
Lenovo 360 provides rebate accelerator programs designed to help service providers grow.

Database and analytics
Create insights faster with the superior performance of Lenovo solutions powered by AMD EPYC processors.

Design and simulation
Sell outcome-based solutions for workforce collaboration, infrastructure flexibility, and more.

HCI and virtualization
ThinkAgile solutions powered by AMD EPYC processors accelerate virtualized workloads, optimize investments, and drive energy efficiencies.

HPC and supercomputing
Lenovo and AMD delivered the most powerful supercomputer in The Netherlands, powering work across all fields of science.[13]

Learn more and get started

Talk to your local Lenovo and AMD solution partner

Learn more about the Lenovo and AMD Alliance
http://www.lenovo.com/amd-infrastructure

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[1] IDC via Lenovo (2022). March (8"). Lenovo Delivers Future-Ready IT Infrastructure for Midsize Companies.
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[4] https://www.amd.com/en/technologies/infinity-guard
[5] AMD (2022, February (4"). AMD Recognized by CDP As a Supplier Engagement Leader on Climate Change. https://ir.amd.com/news-events/press-releases/detail/1064/amd-recognized-cdp-supplier-engagement-leader-climate-change
[6] Lenovo (2020). Environmental, Social and Governance Report. https://investor.lenovo.com/en/sustainability/sustainability_reports.php
[7] IDC via Industry Week (2021, December (7th). Sustainability and Profitability Can Work Together.
[8] SPECpower_ssj2008 results posted at https://www.spec.org/power_ssj2008/results/res2021q2/endpoint-power.html
[9] AMD (n.d.). AMD EPYC™ Processors Energy Efficiency. https://www.amd.com/en/campaigns/epyc-energy-efficiency
[10] Using 3P AMD EPYC™ Processors. 783 processor server configs compiled by 3P Intel Xeon Platinum 8380 powered servers. Estimate cost savings at https://www.amd.com/en/processors/epyc-bare-metal-tco-tool
[11] Lenovo internal summary document. ThinkSystem Performance and Benchmarks. The summary document references all benchmark attributions. Ngan Pham, Principal Engineer. As of December 2022.
[12] AMD (2021, March (9"). AMD EPYC™ 7003 Series CPUs Set New Standard as Highest Performance Server Processor. SP5-011A. 96-core EPYC 9654 CPU processors results as of 11/10/2022 using SPECrate®2017_int_base scored 1760 SPECrate®2017_int_base which is higher than all other 2P scores published on the SPEC® website. 2P AMD EPYC 9654 (1760 SPECrate®2017_int_base, 192 total cores, www.spec.org/cpu2017/results/res2022q4/cpu2017-20221104-32607.html). SPEC®, SPECrate® and SPEC CPU® are registered trademarks of the Standard Performance Evaluation Corporation. See www.spec.org for more information.
[13] https://www.lenovo.com/us/en/press/lenovo-wins-snellius-security-funding/
[14] Lenovo (2021, Feb (6"). Lenovo to power SURF Dutch National Supercomputer.