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 infrastructure³

problems 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. **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



Across infrastructure

Secure-first

development, manufacturing, supply chain, and testing

Security defends against threats

Multi-layered

attacking data and decreases potential attack surfaces

Computing Is enabled by AMD Secure Encrypted Virtualization,

Confidential

which ensures privacy in virtualized environments

Make a real difference in sustainability



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

Reduce energy costs by consolidating workloads on fewer servers with industry-leading energy efficiency, with Lenovo

initiative to reach carbon net zero by 2050.6

of end-customers will embed sustainability

parameters in KPIs

60%

by 2023⁷

performance per watt reduces power

improves economics8

consumption and

Highest

fewer servers are needed to deliver

10,000 units of integer

performance9

33%

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

Run more applications

Highest Greatest performance benchmark



more than 2x Lenovo's nearest competitor¹⁰

world records

of any x86 server processor¹¹

performance

Bring cloud-like agility

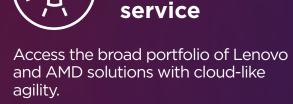
reduce cost and footprint¹²

compute density

of any x86 server, helping

Flexibly grow your data centers, Scale with ease deliver hybrid cloud infrastructure and devices as a service, and more. Meet new needs with flexible cost efficiency, eliminating bottlenecks.

to on-premises IT



With a broad portfolio of turnkey

Cloud

computing

Lenovo 360 provides rebate accelerator

Unlock

everything as



Empower your

Easily deploy hardware,

services, and software to

workforce

maximize productivity.

Design and simulation ThinkAgile solutions and ultra-reliable ThinkSystem servers powered by Sell outcome-based AMD EPYC processors, you're ready solutions for workforce to accelerate innovation.

Power modern workloads

that enable transformation

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.

collaboration, infrastructure flexibility, and more.

virtualization

HCI and

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



supercomputing Lenovo and AMD delivered the most powerful

supercomputer in The Netherlands, powering work across all fields of

HPC and

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



¹¹ AMD (2021, March 15th). AMD EPYC™ 7003 Series CPUs Set New Standard as Highest Performance Server Processor. SP5-013A: 96-core EPYC 9654 CPU processors results as of LIVIO/2022 using SPECrate 2017_int_base. The AMD EPYC scored 1790 SPECrate 2017_int_base which is higher than all other 29 scores published on the SPEC* website. 2P AMD EPYC 9654 (1790 SPECrate 2017_int_base, 192 total cores, www.spec.org/cpu2017/results/res2022q4/cpu2017-20221024-32607.html). SPEC*, SPECrate* and SPEC CPU* are registered trademarks of the Standard Performance Evaluation Corporation. See www.spec.org for more information. ¹² https://www.lenovo.com/us/en/product-security/landing/

¹⁰ Lenovo internal summary document. ThinkSystem Performance and Benchmarks. The summary document references all benchmark attributions. Ngan Pham, Principal Engineer.

Lenovo

https://www.amd.com/en/processors/epyc-bare-metal-tco-tool

AMD