

ANEW ERAIN DATA CENTER EFICIENCY



ROADMAP TO RESULTS

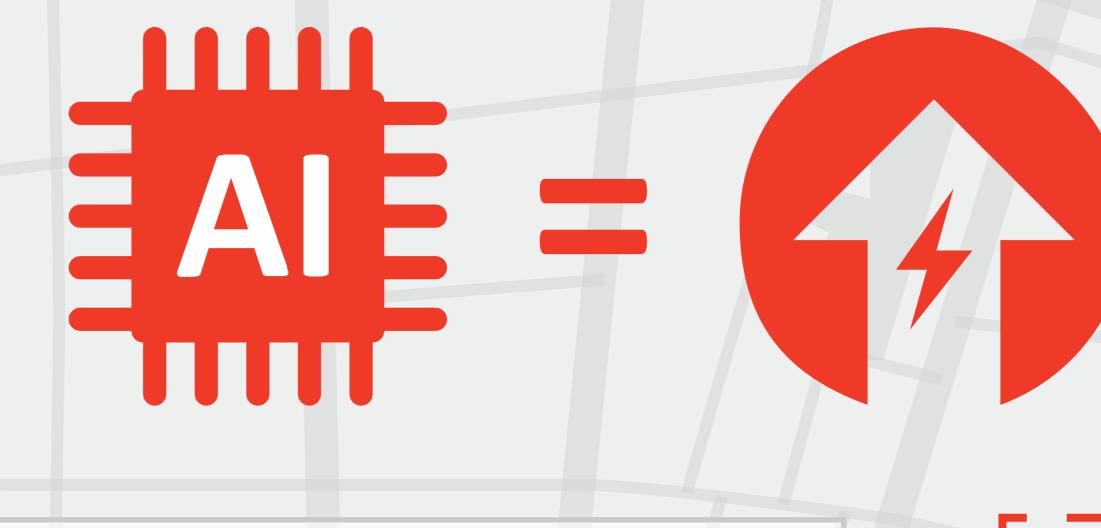
Advancing tomorrow's data center

It is clear that data centers must evolve dramatically, driven by sharply intensifying data, application, and AI compute needs, as well as more demands for sustainability and efficient performance.

data center of tomorrow. Embrace the transformation and set your organization on the path to a more efficient and high-performance data center future.

Ampere is not just anticipating these changes but actively adapting today to shape the

Navigating the terrain



\$17	Generative AI poised to exceed \$1 trillion by 20321			
30%	Small and midsize business adoption lags behind large enterprises (30% vs. 60%) ² Data center power consumption may double from 2022 to 2026 ³			
2x				
80%	of operators are power-constrained ⁴			
65%	Average server refresh cycle exceeds five years, up 65% since 2015, leaving hardware unprepared for growth ⁵			

to rack upgrades **Upgrading servers:** Phased approach. Increase

Practical pathways

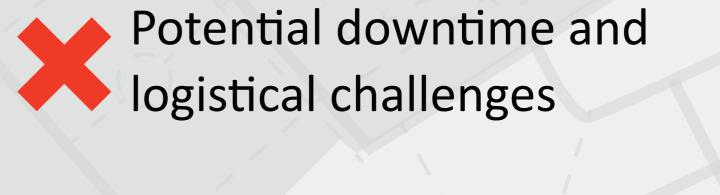
Upgrading racks:						

performance with minimal disruption



Focus on efficiency. Leverage existing power and space footprint





Significant capital outlay for

hardware and infrastructure

Increase performance with a focus on the key metric of

Performance per Rack

AmpereOne®

more performance per rack compared

to AMD EPYC™ 9004 Series processors

AmpereOne®

space, power, and cost savings

Experience revolutionary



37% less power ... all for the same performance levels

Typical GPUs excel in high-performance compute, training, and deep

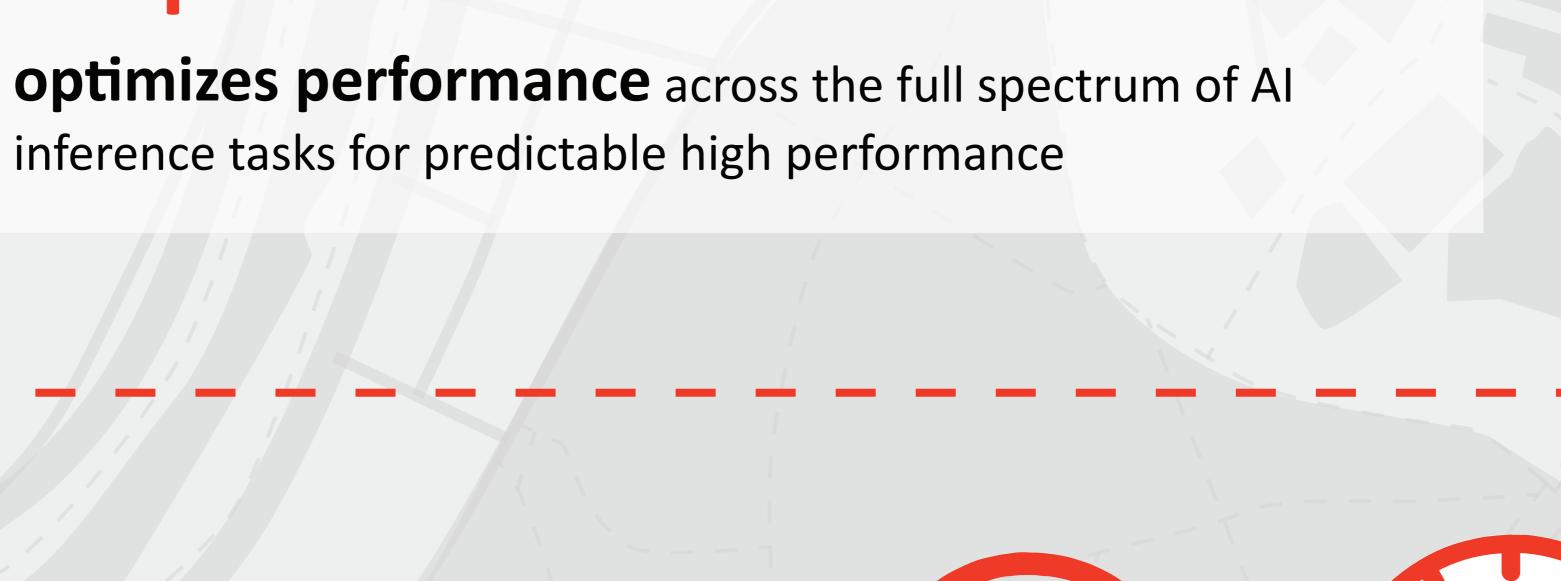
learning but are not optimized for most AI tasks

UP TO

UP TO 49% less server acquisition costs

Built for Al workloads

AmpereOne® inference tasks for predictable high performance



long-term results

AmpereOne®

Transformative

Achieved an overall lower TCO by up to 41% over three years



AMPERE®

Leading in performance, scalability, and

power efficiency for Al-ready data centers Discover how upgrading to AmpereOne® can transform your operations today.

Learn more

1. Bloomberg, <u>"Generative AI to Become a \$1.3 Trillion Market by 2032, Research Finds,"</u> June 2023. 2. Colorwhistle, "Al Statistics for Small Business," September 2024 and Forbes, "SMBs Flourish: Embracing Al for Efficiency and Engagement," June 2024.

3. International Energy Agency (IEA), "Electricity 2024 – Analysis and forecast to 2026" report and Data Center Frontier, "IEA Study Sees AI, Cryptocurrency Doubling Data Center Energy Consumption by 2026," March 2024. 4. Uptime Institute, "Large data centers are mostly more efficient, analysis confirms," February 2024. 5. Uptime Institute, "Global Data Center Survey 2023," 2023; "Adopting a Technology Rotation Program from Dell Improves Operational and Cost Efficiencies for Servers," 2023; and Grassroots IT,

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"The Hidden Costs of Aging Technology Infrastructure," May 2024.