



Accelerating AI training at worldwide scale

HPE ProLiant Compute XD685

AI service provider challenges in the data center

56%

data centers planning to deploy AI solutions in the next 12 months¹

6x

rise in data capacity over the next three years²

200+

zettabytes of data projected to be stored in the cloud by 2025³

5–10x

increase in heat generated by AI workloads over the last 12 months⁴

41%+

increase in rack density with AI over the last 12 months¹

40%+

data centers considering new liquid cooling options¹

A competitive edge for AI



Speed to solution
Increase your competitive advantage with unparalleled speed for the most complex AI workloads

Global expertise
Support your global footprint and growth ambitions with the proven leader in delivering sustainable AI at worldwide scale

Optimized and simple to manage
Deploy large AI clusters that are sustainable and secure to meet all your AI objectives

Large Language Model Training

Natural Language Processing

Multi-Modal Training

Game-changing purpose-built architecture

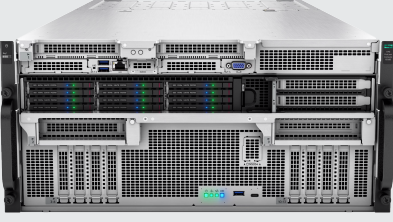
Leading AI performance Powered by eight AMD Instinct™ MI355X accelerators and two 5th Gen AMD EPYC™ processors	Sustainable direct liquid cooling HPE's decades of leadership in developing direct liquid cooled AI systems at scale	High rack density 5U chassis, eight nodes per rack to optimize rack density in liquid cooled configurations
Built-in security innovation HPE iLO seamless management and industry-leading security innovation	Simplified management for AI clusters HPE Performance Cluster Manager to get complex systems up and running quickly	Accelerated, flexible deployment HPE Services, HPE Financial Services, and Asset Management Services

HPE and AMD AI leadership

Utilize the same technologies that power some of the world's fastest and most sustainable supercomputers

Robust and secure global supply chain with proven ability to deploy massive custom AI clusters anywhere in the world

HPE ProLiant Compute XD685



Engineered for the most complex AI Training Workloads

With 288 GB HBM3E memory and 8 TB/sec bandwidth, the [AMD Instinct MI355X GPU](#) will handle the most demanding workloads

Accelerated migration and asset upcycling services to turn aging infrastructure into cash without disruption

¹ AFCOM State of the Data Center Report 2024
² P&S Intelligence Market Report 2024
³ Data Attack Surface Report 2024
⁴ Spectra Survey 2023

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