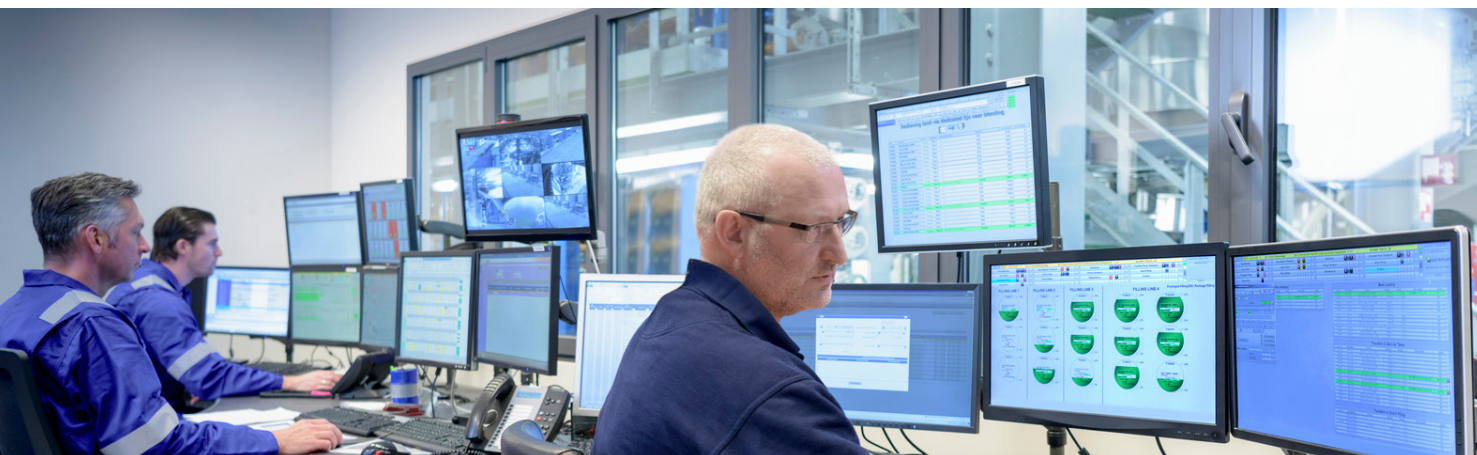




HPE ProLiant Compute —edge server and AI portfolio



HPE ProLiant Compute—edge server portfolio

As organizations expand their digital footprint, the edge becomes a critical frontier for innovation, intelligence, and operational resilience. The edge portfolio from HPE ProLiant Compute is engineered to meet the unique and diverse demands of edge environments—where space is limited, conditions are harsh, and real-time decision-making is essential.

From small businesses and remote offices to industrial sites and telco deployments, Hewlett Packard Enterprise delivers a comprehensive range of ruggedized, compact, and high-performance servers that bring enterprise-grade security, management, and performance closer to where data is generated.

The future of edge computing and AI is here

Edge computing is rapidly evolving into a platform for distributed intelligence, enabling real-time analytics and autonomous operations across industries. As data generation accelerates at the edge—from sensors, cameras, and connected devices—organizations require infrastructure that can process, analyze, and act on insights locally. The future of edge computing lies in scalable, secure, and artificial intelligence (AI)-driven systems that reduce latency, preserve bandwidth, and enhance decision-making at the source. HPE is at the forefront of this transformation, delivering ruggedized, intelligent edge platforms that support AI workloads, remote management, and seamless integration with hybrid cloud environments.

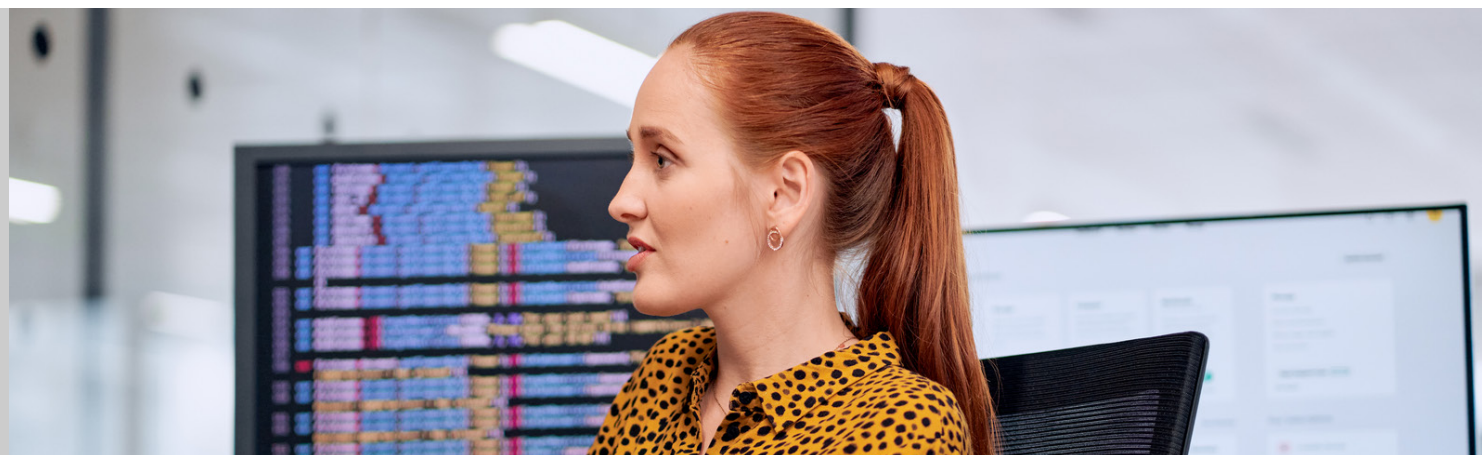
What sets HPE ProLiant apart at the edge

What truly differentiates HPE ProLiant servers in edge environments is not just their physical design, but the intelligence and security embedded within. While some models in the portfolio are ruggedized to withstand harsh conditions, the real value lies in the consistent management and protection capabilities across the entire lineup.

At the heart of this advantage is HPE Compute Ops Management, a cloud-native platform that simplifies and secures the lifecycle management of distributed compute infrastructure. Whether you're managing a single server in a retail store or hundreds across industrial sites, **HPE Compute Ops Management** provides centralized visibility, automation, and control. IT teams can remotely deploy, monitor, update, and troubleshoot servers—reducing the need for on-site intervention and accelerating operational efficiency.

Complementing this is **HPE iLO silicon root of trust**, a foundational security feature embedded directly into the server's hardware. This technology helps ensure that firmware is verified before implementation, protecting against malware and firmware attacks from the moment the server boots. It establishes a secure chain of trust that extends across the server's lifecycle, giving organizations confidence that their edge infrastructure is protected from tampering and unauthorized access.

Together, these capabilities make HPE ProLiant servers uniquely suited for edge deployments where remote manageability and robust security are essential. Whether the environment is rugged or not, the ability to securely operate and manage servers from anywhere is a critical enabler of edge success.



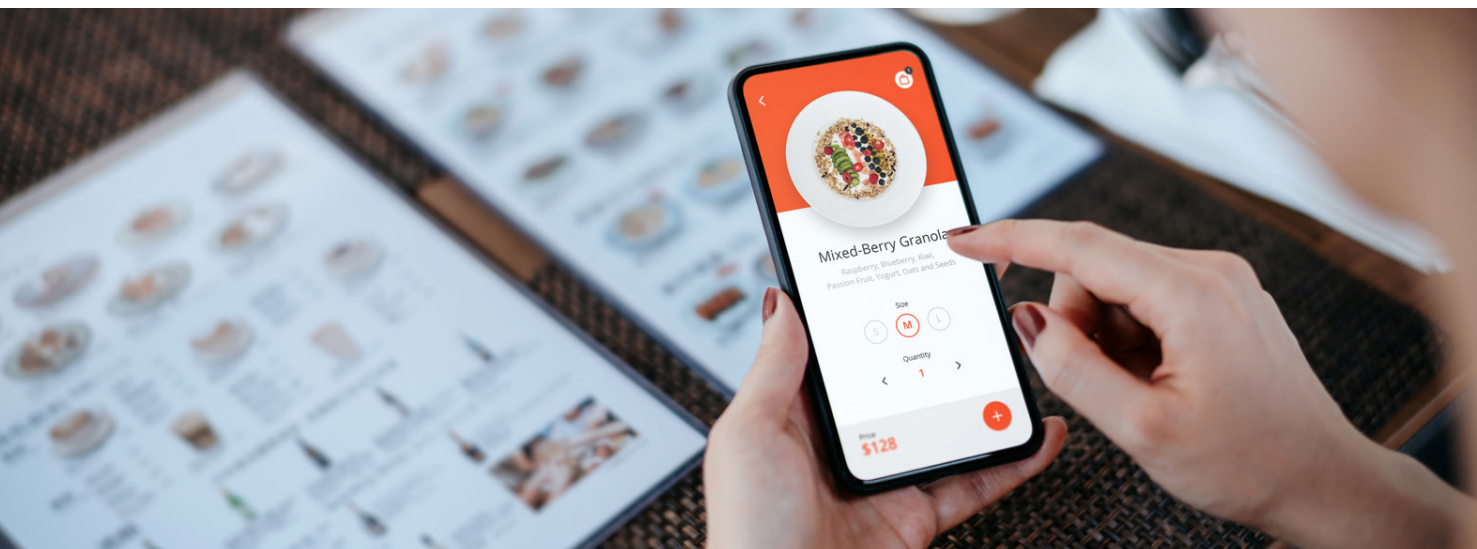
A portfolio designed for every edge scenario

HPE's edge server lineup is tailored to meet the diverse needs of industries operating at the edge. Each model is optimized for specific use cases, balancing performance, form factor, and environmental resilience.

HPE ProLiant edge computing portfolio

Compact / Entry		Utility / Performance		Rugged / Resilient	
HPE ProLiant MicroServer/ DL20/ ML30	HPE ProLiant ML Servers	HPE ProLiant DL Servers	HPE ProLiant DL145	HPE ProLiant DL110 / EL9000	HPE ProLiant EL8000s
					
Up to 1 SW	Up to 8 SW or 4 DW	Up to 10 DW or 16 SW	Up to 3 SW or 1 DW	Up to 2 SW / 1DW	Up to 1 SW / 1DW
Remote office / branch	Various	Various	Retail, Industrial, Defense	Telco, Industrial, Energy, Retail, Network edge	Defense, Industrial, Energy, Retail
SMB, ROBO	SMB workloads	Data center workloads	PoS, Vision AI, C2 ISR, QA	Open RAN, AI-based self-healing network automation	C2 ISR, predictive maintenance, remote monitoring, analytics

Each server in the portfolio is designed to operate reliably in edge conditions, with support for GPU acceleration, virtualization, and secure remote management.



Empowering edge innovation with AI

AI is rapidly becoming a key initiative of edge computing, enabling organizations to make faster, smarter decisions where data is generated. From real-time analytics to autonomous operations, AI at the edge reduces latency, enhances privacy, and unlocks new levels of efficiency. But to realize its full potential, AI needs a compute foundation that is powerful, secure, and adaptable to diverse environments.

HPE ProLiant servers provide that foundation. With support for GPU acceleration, high-performance CPUs, and scalable memory configurations, they are purpose-built to run AI workloads at the edge—whether in a factory, a hospital, or a retail store. Their compact form factors and remote management capabilities make them ideal for distributed deployments while integrated security features help ensure that data and models remain protected.

Across industries, the impact of AI at the edge is already transforming operations:

- In **manufacturing**, HPE ProLiant servers power AI-driven quality inspection systems that analyze visual data from cameras in real time, identifying defects on the production line without human intervention. They also support predictive maintenance by processing sensor data locally to detect anomalies before equipment fails.
- In **healthcare**, edge AI enables faster diagnostics by analyzing medical imaging data on-site, reducing the time to treatment and minimizing the need to transfer sensitive data to the cloud. HPE ProLiant servers can also support remote patient monitoring systems that use AI to detect early warning signs and alert clinicians in real time.

- In **retail**, AI at the edge is used for customer behavior analysis, inventory tracking, and loss prevention. HPE ProLiant servers can process video feeds and sensor data to optimize store layouts, personalize promotions, and improve security—all without relying on constant cloud connectivity.
- In **telecommunications**, AI models deployed on edge servers help optimize network performance, manage traffic loads, and detect anomalies in real time. The telco-optimized platforms from HPE are designed to handle these workloads efficiently in space- and power-constrained environments.
- In **defense**, edge AI inferencing is transforming defense operations. By processing data locally, defense organizations can detect threats in real time, enhance situational awareness, and automate mission-critical tasks without the latency or risk of sending sensitive information to the cloud. The result: faster response, improved force protection, and greater mission resilience.

What makes HPE ProLiant essential in these scenarios is not just performance, but the ability to deploy, manage, and secure AI infrastructure at scale. With HPE Compute Ops Management, organizations can centrally orchestrate edge AI deployments across hundreds or thousands of locations. And with HPE iLO silicon root of trust, they can help ensure that every server is protected from the ground up.

As AI continues to move closer to where data is created, HPE ProLiant servers are enabling organizations to act faster, operate smarter, and innovate confidently—right at the edge.



HPE Services for edge computing and AI

HPE Services helps organizations accelerate edge innovation with expert guidance, seamless deployment, and lifecycle support. Whether you're building a distributed AI architecture or modernizing edge infrastructure, HPE offers tailored services to reduce complexity and speed time to value.

Key offerings

- Edge and AI consulting: Define use cases, assess readiness, and design scalable architectures for edge AI
- Deployment and integration: Rapidly implement edge-ready infrastructure with GPU acceleration and secure connectivity
- HPE Tech Care Service: A modern support experience that goes beyond break-fix, offering fast issue resolution, expert guidance, and proactive recommendations
- HPE Complete Care Service: A modern support experience that goes beyond break-fix, offering fast issue resolution, expert guidance, and proactive recommendations to help you get the most from your edge servers

With HPE Services, you gain a trusted partner to help you plan, deploy, and optimize edge solutions that are intelligent, resilient, and ready for the future.

Flexible financing for edge growth

HPE Financial Services offers a range of financing and asset management solutions designed to support the unique demands of edge computing. These offerings help organizations accelerate deployment, manage costs, and maintain flexibility as edge infrastructure scales and evolves.

For edge environments, HPE provides tailored options such as short-term rentals for pilot projects, pre-owned certified equipment for cost-sensitive deployments, and technology refresh programs that help ensure infrastructure remains current and optimized. These models are especially valuable in distributed or remote locations where budget constraints and operational agility are key.

Organizations can also benefit from consumption-based models that align IT spending with actual usage. This approach allows businesses to scale infrastructure as needed, without large up-front investments, and helps ensure that resources are always right-sized for the workload.

To further simplify edge transformation, GreenLake for edge delivers a cloud-like experience at the edge—combining flexible consumption, built-in security, and centralized management in a single platform.

Take the next step

The edge is where data becomes action—and HPE is your partner in making that transformation real. Explore the full portfolio and discover how HPE edge servers can power your next wave of innovation.



Learn more at

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