



Brochure

HPE SMB solutions for manufacturing

Solving your business needs





Thrive with HPE

Manufacturing is evolving fast, and small and medium businesses (SMBs) need the right tech to keep up. IoT sensors, cloud and edge computing, automation, and data analytics let manufacturers monitor equipment, spot issues early, and optimize production in real time. These tools boost efficiency, quality, and resilience so small and mid-sized manufacturers can respond faster to demand and stay competitive.

At HPE, we simplify how SMBs adopt these technologies, keep their IT systems secure, so they can focus on making better products, not managing IT. These solutions include AI running on-site for real-time sensor data processing and easy-to-manage virtualized environments that scale on demand. Built-in capabilities like high availability, live migration, and integrated data protection deliver resilience, minimal downtime, and simpler operations. All HPE ProLiant Compute Gen11 and Gen12 servers are optimized to run these workloads securely and efficiently.

Small and mid-sized manufacturers have unique pressures. We understand these, and have solutions for them—whether it's security concerns, manageability or the ability to increase capacity quickly.

Key challenges in manufacturing



Efficiency



IT expertise



Security



AI

Manufacturers face constant pressure to increase efficiency, cut downtime and squeeze more output from existing lines while lacking dedicated IT staff to manage networks, servers and automation. At the same time, growing connectivity raises security and compliance risks for sensitive IP and remote operations, and adopting AI and automation, which offer real-time insights and faster problem resolution, requires practical ways to integrate new tools with legacy machines and workflows.

Choosing a partner that delivers secure, scalable infrastructure and easy management to speed AI adoption, simplify operations, and cut complexity is essential for SMB manufacturers.



Overcoming manufacturing challenges with HPE SMB solutions

HPE supports manufacturers in using AI, understanding their data, and keeping it safe with easy and affordable solutions made for small and mid-sized businesses. Now manufacturers don't have to choose between performance and saving money or between security and efficiency. HPE offers a complete set of tools to help solve these problems and grow your business.

Operational efficiency

Manufacturers today must adapt quickly to changing demands and operating models as they shift toward hyper-personalized, resilient production.

There is an evolution of human-machine collaboration. For many, this is a fundamental shift, requiring a unified infrastructure that brings IT and OT (operational technology) together into one secure, intelligent ecosystem. They need IT solutions that simplify and automate server lifecycle operations, that boost efficiency, security, and that reduce downtime.

HPE powers AI for SMBs by providing the right tech foundation manufacturers can unlock AI's potential to drive innovation, productivity, and competitiveness without costly infrastructure. And with HPE Compute Ops Management they can modernize server lifecycle management with unified visibility, automation, and proactive intelligence.

IT expertise: Managing IT growth and complexity

Managing scalability and infrastructure complexity is a concern for manufacturers that may need to respond to an increase in demand. Virtualization addresses these challenges by allowing multiple virtual servers to run on a single physical machine, significantly reducing hardware expenses, and optimizing resource utilization.

This approach not only lowers costs but also enables seamless scalability, allowing businesses to grow without the need for substantial investments. Additionally, virtualization streamlines IT operations, improves efficiency, and strengthens disaster recovery capabilities, helping businesses remain agile and competitive.

HPE ProLiant Compute servers are purpose-built to support virtualization, from small-scale deployments with just a few virtual machines to large-scale environments. With HPE Morpheus VM Essentials, virtualization is simplified by unifying existing and new workload management in one intuitive platform.

Built on the excellence of HPE Compute, HPE Storage, and HPE Networking, HPE solutions for SMBs ensure dependable performance and scalability enabling increased customer traffic to be handled as well as managing growing volumes of data, or expanding business operations.

Manufacturers can confidently scale their IT systems to meet evolving demands, ensuring their operations are future-ready and resilient.

Data security

The transformation journey brings challenges from outdated IT infrastructure to a growing risk of cyberattacks. Data security is a top priority for SMB manufacturers, who often lack dedicated IT teams to manage threats. HPE's solutions offer advanced security features designed to safeguard operations and sensitive data. The Silicon Root of Trust in our servers ensures that only trusted firmware and software run on servers, protecting against firmware-level attacks. Runtime Firmware Verification proactively detects threats, while Automatic Recovery systems restore operations quickly in the event of an attack, minimizing downtime and disruption. These layered security measures provide peace of mind, ensuring manufacturers can focus on their business without worrying about potential vulnerabilities.

AI at the edge

HPE's AI at the edge solutions, powered by HPE ProLiant Compute servers, bring intelligence directly to where data is generated, enabling faster and more actionable insights. By processing data locally, manufacturers can reduce latency and enhance performance, making it easier to respond to customer needs and market trends in real time. With AI at the edge, manufacturers can drive smarter operations, improve customer experience, and stay ahead of competitors.





Unlock manufacturers success with HPE solutions

HPE's comprehensive solutions address SMB manufacturers' unique challenges, equipping them to make smarter decisions, to improve operational efficiency by using the latest virtualization and AI technology to automate processes and to accelerate product development. SMBs are enabled to become more efficient, resilient, secure, and deliver better customer experiences.

Customers can benefit from a wide range of services that support them at every step.

- **HPE Tech Care Service** provides priority support, faster response times, onsite assistance, and expert guidance far beyond what warranty can deliver.
- **HPE Lifecycle Services** are predefined and custom services that help customers get the most from their IT at every stage of the lifecycle, often starting with HPE installation services, whereas HPE Education Services help customers to bridge the knowledge gaps within their IT teams and get the most out of their investments.
- **HPE Financial Services** can reduce upfront costs and can scale with demand—ideal for seasonal fluctuations and rapid expansion. This approach ensures data control and compliance while maintaining the speed and scalability needed in a competitive environment.

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