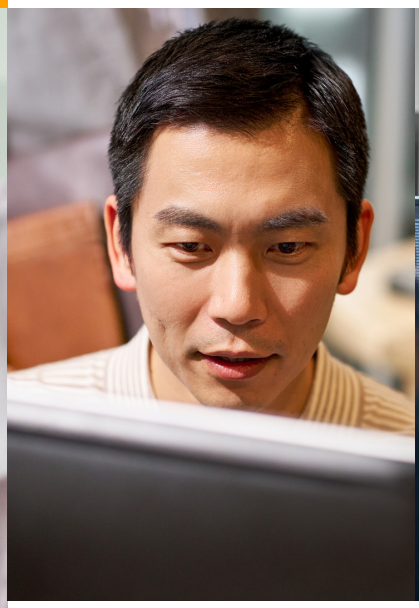
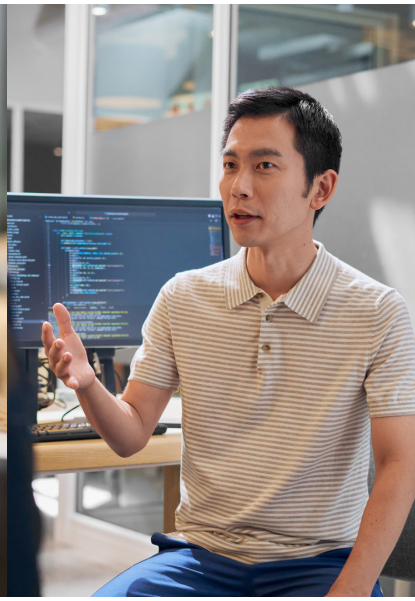
Solution brief





HPE ProLiant Compute DL320 Gen12, powered by Intel Xeon 6

Hewlett Packard Enterprise

intel.

Today's compute isn't limited to enterprise data centers. Small to medium businesses, remote and branch offices, and other edge locations need access to powerful, accelerated computing to power both traditional and emerging workloads—like artificial intelligence (AI). Even if AI isn't on your radar yet, modernizing legacy servers with HPE ProLiant Compute DL320 Gen12, powered by Intel® Xeon® 6 processors, gives you right-sized compute with a balance of performance, availability, manageability, and power efficiency in a compact 1U form factor that fits right in, wherever you need to deploy it.

HPE ProLiant Compute

Secured
Next-level security

Optimized
More performance and efficiency

Automated
AI-driven productivity

Where HPE ProLiant Compute DL320 Gen12 shines

HPE ProLiant Compute DL320 Gen12 models with Intel Xeon 6 processors are optimized for workloads that require high core density and efficient multithreading, such as:

- Containers
- Web servers
- Hosted services
- Storage
- Infrastructure as a service (IaaS)
- Platform as a service (PaaS)
- Software as a service (SaaS)

Many of these workloads must handle multiple requests in parallel, requiring exceptional computing capacity, efficiency, and scalability. Featuring the latest Intel Xeon 6 processors with up to 144 cores, up to 4 TB memory capacity, and high-speed PCIe Gen5, the HPE ProLiant Compute DL320 Gen12 provides a high performance solution that may require fewer servers to achieve the same processing power.

Key benefits

Secured: All HPE ProLiant Compute Gen12 servers deliver next-level security with built-in industry-leading silicon root of trust from HPE iLO to safeguard every phase of the server lifecycle now and for the future—from manufacturing to end of life.

Optimized: Power data-intensive workloads with a solution engineered for performance and efficiency, right-sized with the carbon footprint you demand. Harness unparalleled expansion capabilities to power diverse and demanding workloads with the economic, energy, and space savings of a single-socket 1U system. For example, with right-sized, accelerator-optimized compute that supports up to four single-wide GPUs, you can deploy AI at the edge for real-time, data-driven insights at the point of action.

Automated: AI-driven productivity empowers teams with proactive ITOps from a single management solution for distributed server landscapes, delivering visibility, AI-driven insights, and advanced automation capabilities to take instant action on compute operations, lifecycle management of servers, security, and energy and cooling efficiencies.

HPE ProLiant Compute DL320 Gen12 specifications

Processors	(1) Intel Xeon 6 processor, up to 144 cores
GPU support	Up to: 1 rear NVIDIA® L4/L40/L40S GPU in a PCIe x16 slot (rear) 2 double-wide or 4 single-wide GPU in front GPU cage option
I/O slots	Up to: Up to two PCIe Gen5 slots, and front or rear OCP
Memory	Up to: 4 TB DDR5 up to 6400 MT/s
Cooling	Air and closed-loop liquid cooling

→ **Buy now**

Intel Xeon 6 processors

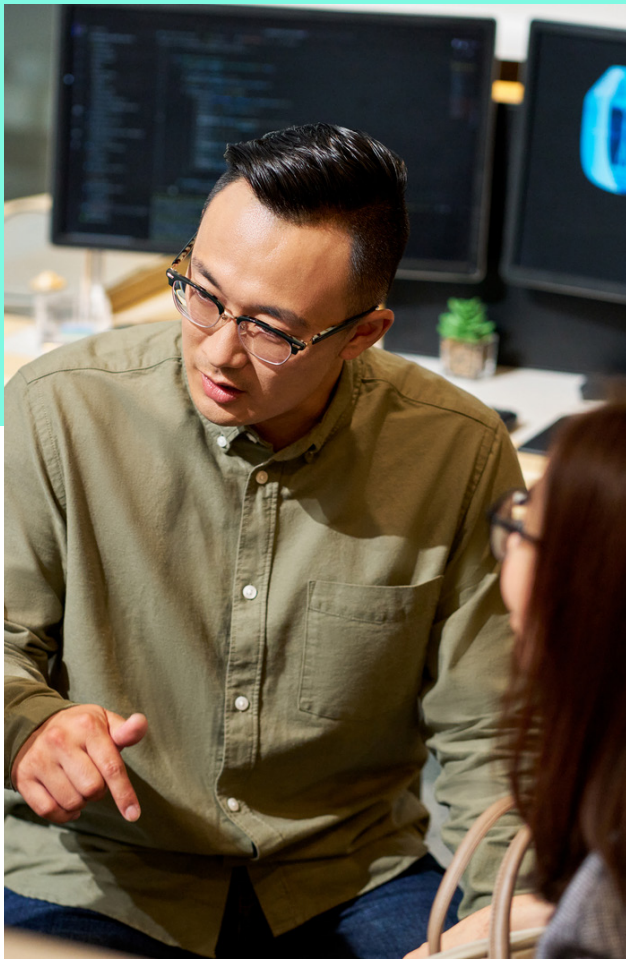
Intel Xeon 6 processors cater to a wide variety of needs, with a choice between efficient cores (E-cores) and performance cores (P-cores). E-cores provide exceptional performance per watt and high core density, making them an energy-efficient solution, while P-cores deliver outstanding performance for diverse workloads, particularly AI and HPC.

Intel Xeon 6 processor specs

	Intel Xeon 6700-Series processors with E-core	**Intel Xeon 6700-Series processors with P-Core**	**Intel Xeon 6500-series processors with P-Core**
Ideal workloads	Maximum performance, ideal for demanding cloud, AI, and HPC environments	Enhanced performance, ideal for a wide array of data center and telco environments	Essential performance, ideal for mainstream server and edge environments
Total cores	Up to 144	Up to 86	Up to 32
Max turbo frequency	Up to 3.2 GHz	Up to 4.3 GHz	Up to 4.3 GHz
Base frequency	Up to 2.4 GHz	Up to 4.0 GHz	Up to 3.5 GHz
Cache	Up to 108 MB	Up to 336 MB	Up to 144 MB
TDP	205W–330W	195W–350W	150W–225W

New generation HPE iLO 7

HPE ProLiant Compute Gen12 servers come equipped with HPE iLO 7, enabling you to securely manage and update your infrastructure remotely from any location. As the only server OEM that designs its own management ASIC, HPE supports enhanced supply chain reliability, while HPE iLO 7 incorporates silicon root of trust 2.0 with secure enclave for enhanced security. Additionally, HPE iLO 7 uses telemetry data to provide valuable power consumption insights.



HPE Services

HPE Services experts can help you plan, operate, and beyond, so you can adopt AI, accelerate edge-to-cloud transformation, optimize operations, and maximize IT investments.

Take the next step toward your data-driven future

Take steps to modernize for the next-gen benefits of right-sized, efficient compute that's engineered for your future. Contact your authorized HPE representative to learn more about HPE ProLiant Compute DL320 Gen12, powered by Intel®, today.

Learn more at

HPE.com/us/en/servers-systems

Visit **HPE.com**

Chat now (sales)

Hewlett Packard Enterprise

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