

HP ProLiant DL380e Generation 8 Server



Flexibility, performance, and enterprise-class uptime



Enterprise and SMB customers face the spiraling demand for multi-tier applications, many with dense storage requirements and uncertain processing and I/O requirements over time. As IT budgets continue to be constrained, businesses are looking for ways to future-proof their infrastructure investments. They need to invest in technology that will help them adapt to changing environments, offer configuration flexibility, and reduce downtime.

The all-new HP ProLiant DL380e Gen8 is specifically designed to meet these new and emerging realities. With enterprise-class uptime, enhanced storage performance, serviceability, and management capabilities, the DL380e Gen8 is a perfect match for customers looking for great value and essential features with the flexibility to boost configurations in the future.

The all-new HP ProLiant DL380e Gen8 Server is purpose-built to:

- Enhance flexibility and lower cost—meet essential data center requirements while allowing for future growth
- Redefine the customer experience through user-inspired design features
- Eliminate tedious, time-consuming tasks with agentless hardware monitoring, built-in alerting, and Intelligent Provisioning
- Boost application, storage, and I/O performance—deliver up to 200% more memory over previous generations and support the latest HP Storage and Smart Array controllers

What's new

The HP ProLiant DL380e Gen8 Server is built to protect your investment and extend server life with reliability, accessibility, and serviceability features designed in.

New Generation 8 features include:

- Optimized efficiency and performance with up to two Intel® Xeon® E5-2400v2 and E5-2400 series processors, which automatically regulate power consumption and intelligently adjust server performance.
- Enhanced flexibility with capacity for up to 384 GB of HP SmartMemory, three available PCI-express Gen 3 expansion slots, and a PCI Gen 2 slot. The server also includes an optional 2 x16 riser for an additional two PCI Gen3 slots (six total).
- Unprecedented storage performance, flexibility, and density. The DL380e Gen8 offers a variety of drive cages to meet vastly different storage requirements based on workload. For small form factor, we offer eight and 25 drive cage options. For LFF we standardize on a cage that can support up to eight LFF drives based on controller selection and offer a 12 LFF drive cage option for increased affordable storage density, as well as two LFF or two SFF rear drives for increased capacity or OS mirroring with additional physical security.
- Support for the full lineup of standup Smart Array controllers as well as Dynamic Smart Array controllers. Customers looking for up to six LFF SATA drives support can utilize our base controller offering, the B120i controller with an optional upgrade to B320i with up to 512 MB cache, and Smart Array standup upgrade with up to 2G flash backed write cache.
- Enterprise-class serviceability including improved cable design, HP's exclusive Smart Socket Guide, redundant fan capability, telescoping rails, and cable management arm.

Key features and benefits

Key features	Benefits
Essential performance features in a sleek design	
HP SmartMemory	Unmatched performance, quality, and manageability advantages above industry standards memory
Intel Xeon 2400 v2 or 2400 series processors	Higher performance, power efficiency, and more adaptability
HP Dynamic Smart Array Controllers	Increased data availability, fault tolerance, and recovery mechanisms, allowing higher I/O throughput in a reliable, predictable way
1 PCIe 3.0 x16 slot for high wattage cards	Increased expansion flexibility
1GbE quad-port network adapter	Delivers better network performance and improved response time
Storage flexibility and density	
Support for up to 27 SFF and 14 LFF drives	Unprecedented flexibility in storage capacity
Up to 56 TB utilizing 4 TB drives in a 2U rack form factor	Increased storage density
Support for 2 LFF or 2 SFF rear drives	Increased capacity or additional physical OS security
Essential SAS support via B320i controller on riser	Cost-effective performance and reliability
Support for up to 6 drives via B120i SATA RAID	Additional storage expansion capability for customers looking to minimize initial cap-ex

Key features	Benefits
Simplified management with integrated Lights-out Management Engine	
Intelligent Provisioning	Save time with simpler server startup, pre-loaded firmware, drivers, and tools
HP Active Health	24x7 continuous health monitoring with 100% configuration change logging and faster troubleshooting analysis with HP Service and Support
Smart Update	Streamlined installation and updating of firmware and system software components
Enterprise-class serviceability and support experience	
Smart Socket Guide	Better performance and foolproof, faster installation of processors
Thumb screw locking removable PCI cages	Tool-less, faster configurability
Enhanced ball bearing sliding rails	Simpler deployment and serviceability
HP Smart Drives	Increased internal storage capacity
HP Insight Online and ServiceONE advantage	Intelligent remote monitoring, troubleshooting and problem resolution
High energy efficiency	
HP Location, Thermal, and Power Discovery services	Optimized energy consumption to maximize data center efficiency and reduce costs
High efficiency, common slot power supply	Lower power consumption
ENERGY STAR® certified configurations	Conserve power and save money

HP ProLiant DL380e Gen8 Server Specifications



Processor	Intel Xeon E5-2400v2 or E5-2400 family
Chipset	Intel C600 Series
Processor number	1 or 2
Processor core available	4, 6, 8 or 10
Processor speed	2.5 GHz
Processor cache	25 MB L3 20 MB L3 15 MB L3 10 MB L3
Memory slots	12 DIMM slots
Memory maximum	384 GB
Memory type	DDR3, RDIMM, UDIMM or LRDIMM
Memory protection features	Advanced ECC Memory Lock Step Mode Online Spare
Internal storage	SATA, SAS, SSD (8 or 25) 2.5 inch hot plug bays/(8 or 12) 3.5 inch hot plug bays 12 and 25 drive configuration also support additional 2 rear drive cages. 16 SFF also available with optional second drive cage.

Max internal storage	32.4 TB SAS or SATA (SFF) 56 TB SAS or SATA (LFF) 21.6 TB SSD (SSF)
Storage controllers	Smart Array B120i SATA RAID Smart Array B320i (with FBWC – 512 MB, 1 G) Smart Array P420i (with FBWC – 1 G, 2 G)
Network controller	1Gb 4P 4-port 366i Ethernet Adapter
Expansion slots	4 standard 3 PCIe Gen3 Slots and 1 PCIe Gen2 low profile slot Expandable to 6 slots with 2nd processor and optional riser
Remote management software	Insight Control with iLO Advanced
Form factor chassis	Rack
System fans features	Redundant optional
Power supply type	up to 96% efficient (Titanium), redundant standard on performance models, optional on entry and base models
Graphic card	Integrated to iLo4
Full configuration form factor	2U
Warranty Standard Statement	Standard warranty
Warranty (parts-labor-onsite)	3/1/1

Entry models	Base models	Performance models	Storage models
<ul style="list-style-type: none"> • 1 Intel Xeon E5-2403v2 or E5-2403 processor (80w) • 4 GB RDIMM • HP Ethernet 1Gb 4-port 366i Adapter • HP Dynamic Smart Array B120i Controller • 4 PCIe slots • 8 LFF HDD bays • 1 HP 460W CS Gold Hot Plug Power Supply (92% efficient) • Fixed rail kit 	<ul style="list-style-type: none"> • 1 Intel Xeon E5-2407v2 or E5-2407 processor (95w) • 8 GB RDIMM • HP Ethernet 1Gb 4-port 366i Adapter • HP Dynamic Smart Array B320i Controller • 3 PCIe slots • 8 SFF HDD bays • 1 HP 460W CS Gold Hot Plug Power Supply (92% efficient) • Telescoping ball bearing rail kit 	<ul style="list-style-type: none"> • 2 Intel Xeon E5-2450v2 or E5-2450 processors (95w) • 24 GB RDIMM • HP Ethernet 1Gb 4-port 366i Adapter • HP Dynamic Smart Array B420i Controller • 4 PCIe slots • 8 SFF HDD bays • 2 HP 750W CS Platinum Hot Plug Power Supplies (94% efficient) • Telescoping ball bearing rail kit 	<ul style="list-style-type: none"> • 1 Intel Xeon E5-2420v2 or E5-2420 processors (95w) • 12 GB RDIMM • HP Ethernet 1Gb 4-port 366i Adapter • HP Dynamic Smart Array B420i Controller • 4 PCIe slots • 12 LFF or 25 SFF • 1 HP 750W CS Gold Hot Plug Power Supply (92% efficient) • Telescoping ball bearing rail kit

QuickSpecs

Ideal environment

If your business operation plans on meeting the growing demand for complex applications, then you'll want to future-proof your infrastructure while getting a quick return on investment. The HP ProLiant DL380e Gen8 offers unprecedented configuration flexibility to suit a wide range of customer sizes and compute environments, including those with dense storage requirements and uncertain compute and I/O requirements over time.

Customize your IT lifecycle management, from acquisition of new IT, management of existing assets, and removal of unneeded equipment. hp.com/go/hpfinancialservices

HP Factory Express provides customization and deployment services along with your storage and server purchases. You can customize hardware to your exact specifications in the factory—helping speed deployment. hp.com/go/factoryexpress

Gain the skills you need with ExpertOne training and certification from HP. With HP ProLiant training, you will accelerate your technology transition, improve operational performance, and get the best return on your HP investment. Our training is available when and where you need it, through flexible delivery options and a global training capability. hp.com/learn/proliant

HP Services

When technology works, business works

When you buy HP ProLiant Options for your HP ProLiant servers, it is also good time to think about services.

Recommended HP Care Pack Services

3-Year HP 24x7 4-hour Response, Hardware Support Onsite Service OR 3-Year HP 24x7 4 hour Response, HP Collaborative Support
HP ProLiant Server Hardware Installation Service

Related HP Care Pack Services

3-Year HP 24x7 4 hour Response, Proactive Care OR 3-Year HP 6-hour Onsite Call-to-Repair, HP Collaborative Support
HP Proactive Select Service

All support services come with Insight Remote Support, providing 24 X 7 remote monitoring, proactive notifications, and problem resolution.

Coverage: For ProLiant servers, HP Care Pack Services provide cover for HP-branded hardware options qualified for the server, purchased at the same time or afterward, internal to the enclosure, as well as external monitors up to 22 inch diagonal and tower UPS products; these items will be covered at the same service level and for the same coverage period as the server unless the maximum supported lifetime and/or the maximum usage limitation has been exceeded. Coverage of UPS battery is not included; standard warranty terms and conditions apply.

For more information, visit:
hp.com/services/proliant
hp.com/services/bladesystem

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