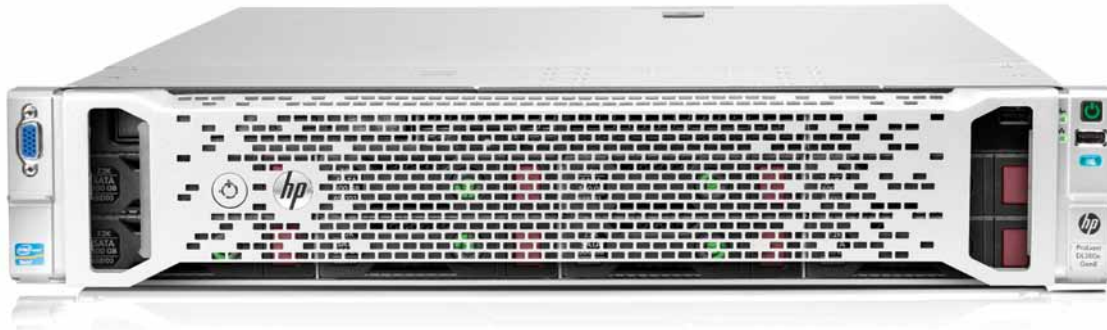




# HP ProLiant DL380e Generation 8 Server

Flexibility, performance, and enterprise-class uptime in a 2U rack server



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® E5-2400 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. We also offer a 12 LFF “point-to-point” backplane for customers looking to maximize storage throughput 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
<b>Essential performance features in a sleek design</b>	
<b>HP SmartMemory</b>	Unmatched performance, quality, and manageability advantages above industry standards memory
<b>Intel Xeon 2400 series processors</b>	Higher performance, power efficiency, and more adaptability
<b>HP Dynamic Smart Array Controllers</b>	Increased data availability, fault tolerance, and recovery mechanisms, allowing higher I/O throughput in a reliable, predictable way
<b>1 PCIe 3.0 x16 slot for high wattage cards</b>	Increased expansion flexibility
<b>1GbE quad-port network adapter</b>	Delivers better network performance and improved response time
<b>Storage flexibility and density</b>	
<b>Support for up to 27 SFF and 14 LFF drives</b>	Unprecedented flexibility in storage capacity
<b>Up to 42 TB utilizing 3 TB drives in a 2U rack form factor</b>	Increased storage density
<b>12 LFF drive capability via new point-to-point backplane</b>	Increased drive performance utilizing multiple controllers
<b>Support for 2 LFF of 2 SFF rear drives</b>	Increased capacity or additional physical OS security
<b>Essential SAS support via B320i controller on riser</b>	Cost-effective performance and reliability
<b>Support for up to 6 drives via B120i SATA RAID</b>	Additional storage expansion capability for customers looking to minimize initial cap-ex
<b>Simplified management with integrated Lights-out Management Engine</b>	
<b>Intelligent Provisioning</b>	Save time with simpler server startup, pre-loaded firmware, drivers, and tools
<b>HP Active Health</b>	24x7 continuous health monitoring with 100% configuration change logging and faster troubleshooting analysis with HP Service and Support
<b>Smart Update</b>	Streamlined installation and updating of firmware and system software components
<b>Enterprise-class serviceability and support experience</b>	
<b>Smart Socket Guide</b>	Better performance and foolproof, faster installation of processors
<b>Thumb screw locking removable PCI cages</b>	Tool-less, faster configurability
<b>Enhanced ball bearing sliding rails</b>	Simpler deployment and serviceability
<b>HP Smart Drives</b>	Increased internal storage capacity
<b>HP Insight Online and ServiceONE advantage</b>	Intelligent remote monitoring, troubleshooting and problem resolution
<b>High energy efficiency</b>	
<b>HP Location, Thermal, and Power Discovery services</b>	Optimized energy consumption to maximize data center efficiency and reduce costs
<b>High efficiency, common slot power supply</b>	Lower power consumption
<b>ENERGY STAR® certified configurations</b>	Conserve power and save money

## HP ProLiant DL380e Gen8 Server Specifications



<b>Processor</b>	Intel Xeon E5-2400 family
<b>Chipset</b>	Intel C600 Series
<b>Processor number</b>	1 or 2
<b>Processor core available</b>	4, 6, or 8
<b>Processor speed</b>	2.4 GHz
<b>Processor cache</b>	20 MB L3 15 MB L3 10 MB L3
<b>Memory slots</b>	12 DIMM slots
<b>Memory maximum</b>	384 GB
<b>Memory type</b>	DDR3, RDIMM, or UDIMM
<b>Memory protection features</b>	Advanced ECC Memory Lock Step Mode Online Spare
<b>Internal storage</b>	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.
<b>Max internal storage</b>	27 TB SAS or SATA (SFF) 42 TB SAS or SATA (LFF) 21.6 TB SSD (SSF)
<b>Storage controllers</b>	Smart Array B120i SATA RAID Smart Array B320i (with FBWC – 512 MB, 1 G) Smart Array P420i (with FBWC – 1 G, 2 G)
<b>Network controller</b>	1Gb 4P 4-port 366i Ethernet Adapter
<b>Expansion slots</b>	4 standard 3 PCIe Gen3 Slots and 1 PCIe Gen2 low profile slot Expandable to 6 slots with 2nd processor and optional riser
<b>Remote management software</b>	Insight Control with iLO Advanced
<b>Form factor chassis</b>	Rack
<b>System fans features</b>	Redundant optional
<b>Power supply type</b>	Redundant standard on performance models, optional on entry and base models
<b>Graphic card</b>	Integrated to iLo4
<b>Full configuration form factor</b>	2U
<b>Warranty Standard Statement</b>	Standard warranty
<b>Warranty (parts-labor-onsite)</b>	3/1/1

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

## QuickSpecs URLs:

[h18000.www1.hp.com/products/quickspecs/14328\\_div/14328\\_div.html](http://h18000.www1.hp.com/products/quickspecs/14328_div/14328_div.html)

## 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.

## For more information visit

[hp.com/servers/DL380e-gen8](http://hp.com/servers/DL380e-gen8)

## 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](http://hp.com/services/proliant)  
[hp.com/services/bladesystem](http://hp.com/services/bladesystem)

## Get connected

[hp.com/go/getconnected](http://hp.com/go/getconnected)

Current HP driver, support, and security alerts delivered directly to your desktop



Share with colleagues

© Copyright 2012 Hewlett-Packard Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Intel and Xeon are trademarks of Intel Corporation in the U.S. and other countries. ENERGY STAR is a registered mark owned by the U.S. government.

4AA4-1986ENW, Created May 2012

