# Get essential server features in an optimized 1U design.

HP ProLiant DL360e Gen8 servers

Chances are your business has felt it—the mounting pressure to support more applications and users, store growing amounts of data, and manage an increasingly complex IT environment. These challenges especially impact value enterprises and small and midsize businesses (SMBs) where space is at a minimum and IT-related capex and maintenance costs are always a concern.

HP believes that a new way forward is needed. For decades, IT systems have been getting incrementally faster and smaller. In the cloud era, it's now time to also make them infinitely more intelligent and affordable. Whether you have specific infrastructure needs such as a domain controller, business-critical application needs like file and print, or even a Windows Server® cluster environment, the HP ProLiant DL360e Server Series is ready to deliver the features you need at a price you can afford.

## Introducing the world's most self-sufficient servers

It's time for your servers to start serving your business, versus the other way around. HP ProLiant Gen8 is about transforming the server experience—not just updating the components inside the box. The next generation of ProLiant servers includes over 150 customer-inspired design innovations that enable administrators to increase application performance up to 50 percent, shift more time per day to business innovation, extend data center capacity, and increase uptime by preventing data loss and failures. With the built-in intelligence of the HP ProActive Insight architecture, HP ProLiant Gen8 servers—including the DL360e—transform the experiences and economics of server operations, data center efficiency, and IT support.

### What's new

- **HP iLO Management Engine:** provides a lifecycle approach to deploying and managing the server, and automatically regulates power consumption and server performance.
- **Smart Socket Guide:** enables intelligent, precise, and quick processor installation or upgrade, which lowers the risk of downtime for your business.
- **Intel® Xeon® 2400 series processors:** provide more cores.
- **PCIe risers, ball bearing rail kits, cable management:** allow for fast access, quick updates, and all-around improved serviceability.
- **HP SmartMemory:** authenticates memory, helping to ensure that the highest quality standards are met.
- **HP SmartDrive with intuitive drive activity:** provides new, more intuitive drive activity and status indicators that enhance serviceability for easier management and reduced maintenance errors.
- **ProLiant Sea of Sensors 3-D:** enables energy savings by now providing a complete 3-D view of temperature in the server so that server fans can direct cooling where it's most required.
- **ENERGY STAR® certified:** helps you conserve energy and save money through a program qualified by the U.S. Environmental Protection Agency.

### Purpose-built design features

- **Value-priced performance:** offers the performance, reliability, and serviceability of industry-leading HP servers in a space-saving form and affordable entry point.
- **Automated energy optimization:** enables a server infrastructure so intelligent it maximizes use of space, power, and cooling.
- **Integrated lifecycle automation:** helps get systems online 3x faster, troubleshoot 5x faster, and deploy updates 3x faster with built-in features like Intelligent Provisioning, Active Health, and Smart Update.

# Key benefits and features

## Manage easier. Service easier. Worry less.

Industry-leading management and serviceability put the ProLiant Gen8 family in a class of its own—and offer you unprecedented peace of mind.

- HP Active Health System provides 24x7 continuous health monitoring, 100 percent configuration change logging, and faster problem analysis with HP Service and Support.
- Agentless hardware monitoring and alerting capabilities are built in with HP Agentless Management. Connect a power cord and an Ethernet cable, and it all starts working. It's that simple.
- New HP Insight Online provides one-stop anywhere-anytime management. Monitor, manage, and support your infrastructure remotely, plus get seamless integration with HP Support Center and HP Insight Remote Support v7.
- Intelligent Provisioning takes strengths from products like SmartStart, Smart Update Manager, and ProLiant Support Packs, enhances them with the latest ease-of-use features, and places them where you can use them instantly on the system board.
- User-inspired design features anticipate your needs and virtually eliminate common issues that result in downtime, including HP SmartDrive carriers, Smart Socket guides, "Snap and Go" Rail kit options, enhanced cable and mechanical design.

## Get the features you need with the performance you want.

HP ProLiant DL360 Gen8 servers deliver all the essential features you're looking for in sleek 1U rack designed for space-constrained environments.

- HP SmartMemory extracts all of the memory performance, dependability, and power savings ProLiant Gen8 is designed to deliver. A new 32 GB LRDIMM gives a maximum capacity of 384 GB, and new 1600 MHz speed memory options boost performance even more.
- Up to two latest Intel® Xeon® E5-2400 Processors with 4, 6, and 8 core solutions, frequencies from 1.8 GHz to 2.4 GHz and power levels 60 to 95 Watts.
- Embedded 1GbE quad-port 366i Network Adapter with 10GbE NIC options supported.
- Up to four LFF or eight SFF HP SmartDrives with intuitive drive activity and status indicators that enhance serviceability for easier management and reduced maintenance errors. Maximum internal storage of 12 TB.
- New Dynamic Smart Array RAID controller and support for HP Smart Storage including PCIe 3.0, HP SmartDrives, and HP Flash Backed Write Cache with capacity up to 2 GB on Smart Array.

## Keep it cool—and efficient.

Intelligent server and infrastructure technologies reduce the power and airflow needed to operate the HP ProLiant DL360e Gen8 for high-energy efficiency and a lower cost of operation.

- Automated Energy Optimization improves the server's ability to analyze and respond to the industry's first 3-D Sea of Sensors data within the server, as well as self-identify location and inventory through Insight Control for maximum workload optimization across the entire data center.
- Right-sized ProLiant power supplies meet exact needs, reclaiming lost data center power. Less over-subscription means more capacity opportunity. HP Power Adviser selects the appropriate size power supply.
- Industry-first high-efficiency HP Platinum Plus power supplies (460W, 750W) communicate with an HP Intelligent PDU to automatically track servers as they are plugged in and help ensure that redundant power supplies are actually plugged into redundant PDUs.
- ENERGY STAR® qualified server configurations demonstrate HP's continued commitment to helping you conserve energy and save money. High-efficiency processor options provide the additional flexibility to minimize power requirements without compromising performance.

## Rethink what support can be.

The new ProLiant family helps you proactively resolve issues, accelerate problem resolution, gain valuable insights into your data center operations—and reclaim the time of system administrators.

- HP Insight Online transforms the support experience by combining event monitoring, asset management, and service warranty information together into the industry's first comprehensive cloud-based support portal. Manually managing paper contracts and warranties is a thing of the past.
- Proactive Support Services, designed for next-generation server platforms, improves infrastructure uptime and performance with an integrated management and support experience delivered onboard the system, remotely and online.
- HP ServiceONE partners provide responsive services tailored to your unique business needs. Our qualified partners leverage HP ProActive Insight architecture, innovative services, and leading-edge delivery capabilities to provide superior value.

# Technical specifications

New to the ProLiant family, the DL360e Gen8 delivers the full ProLiant experience at the best overall acquisition price, making it ideal for businesses that traditionally select from the ProLiant 100 or entry 300 series portfolios for single applications. The HP ProLiant DL360p Gen8 server offers significant enhancements in performance, efficiency, capacity, and reliability and continues to be the server of choice for dynamic enterprise environments.

## Technical specifications

|  | HP ProLiant DL360e Gen8 | HP ProLiant DL360p Gen8 | HP ProLiant DL360 G7 |
|---|---|---|---|
| **Drive description** | 8 SFF SAS/SATA/SSD or 4 LFF SAS/SATA/SSD | 10 SFF SAS/SATA/SSD or 8 SFF SAS/SATA/SSD or 4 LFF SAS/SATA/SSD | 4 SFF or 8 SFF SAS/SATA/SSD |
| **Storage type** | Hot plug SFF 2.5-inch SAS<br>Hot plug SFF 2.5-inch SATA<br>Hot plug SFF 2.5-inch SSD<br>Hot plug 3.5-inch SAS<br>Hot plug 3.5-inch SATA<br>Hot plug LFF 3.5-inch SSD | Hot plug SFF 2.5-inch SAS<br>Hot plug SFF 2.5-inch SATA<br>Hot plug SFF 2.5-inch SSD<br>Hot plug LFF 3.5-inch SAS<br>Hot plug LFF 3.5-inch SATA<br>Hot plug LFF 3.5-inch SSD | Hot plug SFF 2.5-inch SAS<br>Hot plug SFF 2.5-inch SATA<br>Hot plug SFF 2.5-inch SAS SSD<br>Hot plug SFF 2.5-inch SATA SSD |
| **Cache** | 20 MB L3<br>15 MB L3<br>10 MB L3 | 20 MB L3<br>15 MB L3<br>10 MB L3<br>5 MB L3 | 12 MB L3<br>8 MB L3<br>4 MB L3 |
| **Processor family** | Intel® Xeon® E5-2400 family | Intel® Xeon® E5-2600 family | Intel®Xeon®5600 series |
| **Processor number** | 1 or 2 | 1 or 2 | 1 or 2 |
| **Processor core available** | 8, 6, or 4 | 8, 6, 4, or 2 | 6, 4, or 2 |
| **Maximum processor speed** | 2.4 GHz | 3.3 GHz | 3.46 GHz |
| **Memory slots** | 12 DIMM slots | 24 DIMM slots | 18 DIMM slots |
| **Memory max** | 384 GB | 768 GB | 192 GB |
| **Memory type** | DDR3 RDIMM, LRDIMM, UDIMM | RDIMM, UDIMM, LRDIMM | DDR3 RDIMM or UDIMM |
| **Memory protection features** | Advanced ECC, online spare, memory lock-step mode | Advanced ECC, online spare, memory lock-step mode | Advanced ECC, mirrored memory, online spare (5600 series) |
| **Network controllers** | 1Gb 4P 366i Ethernet adapter | HP FlexibleLOM 1Gb 331FLR Ethernet adapter or HP FlexibleLOM 10Gb 2-port 530FLR-SFP+ Ethernet adapter | Two HP NC382i dual-port multifunction gigabit server adapters |
| **Storage controllers** | Smart Array B320i/ Smart Array B120i SATA RAID | Smart Array P420i Controller | Smart Array P410i Controller |
| **Expansion slots** | 1x PCIe Gen3 slots for full height, half-length and 1x PCIe Gen2 low profile option cards | 2x PCIe 3.0 slots for x16 full-height, half-length, and x8 low profile option cards | 2x PCIe Gen2 slots for x16 full-length, full-height option cards |
| **Remote management software** | HP Insight Control with iLO Advanced | HP Insight Control with iLO Advanced | HP Insight Control with iLO Advanced |
| **Form factor chassis** | Rack | Rack | Rack |
| **System fans features** | Hot plug fully redundant | Hot plug fully redundant | Hot plug fully redundant |
| **Power supply type** | Hot plug redundant power supply | Hot plug redundant power supply | Hot plug redundant power supply |
| **Graphic card** | Quadro 4000 | Does not support | Quadro 4000 |
| **Full configuration form factor** | 1U | 1U | 1U |
| **Warranty (parts-labor-onsite)** | 3/1/1 | 3/3/3 | 3/3/3 |

## For more information

HP ProLiant DL360e Gen8 website:
**hp.com/servers/dl360e-gen8**

HP ProLiant DL360e QuickSpecs:
**h18000.www1.hp.com/products/quickspecs/14327_div/14327_div.html**

HP Qualified Options website:
**h18004.www1.hp.com/products/servers/options/qualified-options.html**

## HP Technology Services

### HP Factory Express
HP Factory Express is designed to help you get a better return from your IT investment by providing customization, integration, and deployment services along with your storage and server purchases. It provides predictable, trusted, and tested IT solutions tailored to your business needs. We allow you to customize hardware to your exact specifications in the factory—helping to speed up deployment and free up internal resources. Learn more at **hp.com/go/factoryexpress**.

### Customer technical training
Consider education as an integral part of your strategy to get the best return on investment for your HP storage solution. HP offers a variety of training courses on storage software, networking, archiving, and disk storage systems. Our classes are available in many delivery modalities from traditional instructor-led courses at one of our 80 training centers worldwide to on-site training customized to your needs or online. Learn more at **hp.com/learn/storage**.

### Financial services
HP Financial Services provides innovative financing and financial asset management programs to help you cost-effectively acquire, manage, and ultimately retire your HP solutions. For more information, contact your HP representative or visit **hp.com/go/hpfinancialservices**.

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