

# HP ProLiant portfolio

New offerings – June 2010

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# HP ProLiant servers with Intel® Xeon®

## Processor 5600/6500/7500 series

[HP ProLiant BL280c G6 Server Blade](#)



The HP ProLiant BL280c G6 is the most versatile product in the BladeSystem scale-out server portfolio. With outstanding dual-processor performance and price per watt, the BL280c helps reduce overall data center power consumption while maintaining high performance. The latest Intel® Xeon® 5600 series processors offer significant enhancements in both performance and power regulation to help high performance computing environments effectively manage their workloads. Also, the new low voltage DDR3 memory technology provides excellent bandwidth and lowers energy consumption. Overall, the BL280c offers customers the latest technology for improved power efficiency and performance optimization.

[HP ProLiant BL2x220c G6 Server Blade](#)



The HP ProLiant BL2x220c G6, the industry's only 2-in-1 server blade, offers excellent power efficiency in a dense form factor to help scale-out and cluster computing environments efficiently utilize their infrastructure resources. The combination of outstanding compute performance and energy savings gives customers the ability to make the most of their datacenter. With support of up to 32 server nodes per enclosure and two 6 core CPUs per node, the BL2x220c expands to provide up to 1536 cores in a 42U rack. Also, the BL2x220c has a large memory footprint with 96GB of DDR3 memory per server node. This excellent scalability combined with the power efficiency of the Intel Xeon 5600 and 5500 series processors makes the BL2x220c an ideal server for demanding high performance computing datacenters.

### [HP ProLiant BL460c G6 Server Blade](#)



As the world's most popular blade server, the HP ProLiant BL460c Server Blade sets the standard for the data center. Packing two processors, two hot plug hard drives, up to 192GB of memory, and a dual-port 10 gigabit Ethernet adapter into a half-height blade, the BL460c gives IT managers the performance and expandability they need for demanding data center applications.

### [HP ProLiant BL490c G6 Server Blade](#)



The HP ProLiant BL490c Virtualization Blade raises the bar for memory capacity and I/O bandwidth in a half-height blade. Coupling up to 2 Intel® Xeon® processors with 18 DIMM slots and support for up to 24 NICs, the BL490c gives enterprise data center managers the ideal server platform for hosting virtual machines.

### [HP ProLiant DL160 G6 Server](#)



The DL160 G6 is a high performance, low cost, ultra-dense rack server designed for memory intensive High Performance Computing (HPC) environments, web serving and memory intensive applications.

### [HP ProLiant DL170 G6 Server](#)



The HP ProLiant DL170h G6 server is part of the HP ProLiant DL1000 Multi Node Series. The DL1000 consists of up to 4 independent DL170h G6 servers in the 2U HP ProLiant h1000 G6 Chassis. The servers share power supplies and fans, providing greater power and cooling efficiencies. The DL1000 was designed to double the density to maximize data center floor space, increase performance while lowering energy consumption and provide flexible configurations that fit into existing industry standard racks. With support for up to two Intel® two processors and 16 DDR3 DIMM sockets, the DL170h G6 provides all of the features expected in an enterprise server, including essential management features (LO100i) and Easy Setup CD for rapid deployment, but at a low cost. Highly flexible, the DL170h G6 has different drive cage, power supply and IO riser options that enable you to optimize the server for specific applications. Two BTO models are available. The 2 node DL2x170h and 4 node DL4x170h.

### [HP ProLiant DL180 G6 Server](#)



The DL180 G6 is a low cost, high capacity storage optimized server that delivers on a history of design excellence and 2U density for a variety of rack deployments and applications.

### [HP ProLiant DL320 G6 Server](#)



The HP ProLiant DL320 G6 Server is an enterprise rack-optimized server at an entry level price. The highly manageable single processor, 1U server is ideal for single-application IT infrastructure, web and edge-of-network applications. The remote console and virtual KVM offered by the embedded ProLiant Onboard Administrator powered by Integrated Lights-Out 2, coupled with the management features of SIM and deployment capabilities of SmartStart and other ProLiant Essentials software, give the DL320 G6 enterprise-class management features. Support for one or two low-cost Serial ATA drives on an integrated RAID0/1 controller, with an optional upgrade to highly reliable hot plug SAS hard drives, gives the DL320 G6 flexibility to meet the needs of your datacenter. Plus, you get the cost-effective solution of a single-processor platform with options from the new Intel® Xeon® Processor 3000 sequence with turbo mode.

### [HP ProLiant DL 360 G7 Server](#)



The HP ProLiant DL360 G7 extends compute performance, capacity and energy efficiency in a concentrated 1U space needed for Enterprise, HPC and Web applications. With the newest Intel® Xeon® 5600 Series Processors (6, 4 and 2 core), a choice of up to 192GB of DDR3 RDIMMs, SATA, SAS or SSD storage capacity up to 4TB, PCI Express Gen2 technology and extended communications with 4 NICs the DL360 G7 provides a high performance system, ideal for the full range of scale out applications with limited space. The DL360 G6 steps up the fault tolerant and efficiencies in an ultra-dense platform with redundant common slot high efficiency power supplies, redundant fans, mirrored memory, embedded RAID capability and HP Thermal Logic Technologies. And, HP System Insight Manager or Insight Control Managers provide detailed server monitoring and management opportunities to increase server health and life, while reducing downtime.

## [HP ProLiant DL380 G7 Server](#)



The HP ProLiant DL380 G7 Server continues to deliver on its history of engineering excellence. Combining 2U compute density, HP Insight Control, and HP Thermal Logic technology, the server is designed for a variety of rack deployments and applications. With the latest Intel® Xeon® 5600 series processors, DDR3 Registered or unbuffered DIMMs, Serial Attached SCSI (SAS), and PCI Express Gen 2 technology, the DL380 G7 is a high-performance server—ideal for businesses of all types and sizes.

## [HP ProLiant DL580 G7 Server](#)



HP continues to lead on technology innovation and engineering excellence. The new HP ProLiant DL580 G7 is the world's best selling scale-up server and has been designed with the reliability features required for the most demanding, data intensive workloads.

The new HP ProLiant DL580 G7 server features the new Intel® Xeon® 7500 series processors with support of up to 32 cores, up to 1.0 Terabyte of memory footprint and up to 11 PCIe 2.0 I/O slots (all full-length; full-height). This perfect balance of new system architecture with enhanced RAS features, extensive memory capacity and I/O throughput significantly accelerates virtualization, eliminates performance bottlenecks and delivers ultimate performance for the most demanding x86 workloads.

In addition to gains delivered by the new Intel architecture, the HP ProLiant DL580 G7 server brings a wealth of HP innovations to further reduce costs: New iLO3 remote management solution eases administration burdens; Common Power Supplies, Hard Drives and Memory allow self service for customers to reduce spare parts inventories; HP Insight Control and HP Thermal Logic technologies reduce operational expenses and enhances datacenter capacity.

## [HP ProLiant DL980 G7](#)



Blending mission-critical and industry-standard design principles, the HP ProLiant DL980 G7 Server with HP PREMA Architecture, is an eight-socket, x86 server designed with balanced scalability, self-healing resiliency, and breakthrough efficiencies for the largest and most demanding enterprise-class workloads.

Built to handle the largest x86 enterprise environments with confidence, the HP ProLiant DL980 G7, featuring the PREMA Architecture with Smart CPU Caching and a redundant system fabric, is designed to reduce bottlenecks, improve throughput and performance, as well as deliver enhanced reliability—features not previously available in an x86 environment. Together with the latest eight-core Intel® Xeon® Processor 7500/6500 Series, expandable memory, and HP Integrated Lights-Out 3 (iLO 3) server management software, the DL980 G7 server is an ideal choice for organizations looking for balanced scaling, self healing resiliency, and breakthrough efficiencies for today's enterprise compute environments.

## [HP ProLiant ML330 G6 Server](#)



Performance and manageability to scale your business. The HP ProLiant ML330 G6 is a dual processor tower platform built on the latest Intel® Xeon® processors with QPI technology to create a unique system architecture. This unique architecture enables you to scale your business as needed and allows you to improve the efficiency of how you spend your IT dollars. The ML330 G6 not only delivers excellent performance with the latest technology, but it also incorporates the industry's most powerful embedded management technology with the HP ProLiant Onboard Administrator (powered by iLO 2 controller), allowing you to manage servers anytime and anywhere.

## [HP ProLiant ML350 G6 Server](#)



Adaptable, reliable mainstay for your business. The HP ProLiant ML350 G6 is the best price performance DP Tower server that delivers excellence with performance, expandability and availability. It's a new generation server with more memory capacity and more HDD expandability. It combines the latest Intel® Xeon® processors with QPI technology, best-in-class availability features, and unsurpassed flexibility in a system ideal for growing businesses and especially well suited to meet the needs of remote branch offices.

## [HP ProLiant WS460c G6 Workstation Blade](#)



The HP ProLiant Blade Workstation solution is a next-generation workstation infrastructure that provides data center workstation computing without boundaries – combining the centralized, mission-critical control and security of the data center with a seamless, workstation-class experience and the flexibility to support professionals in multiple work locations. It is the only solution of its kind, an innovative new offering that is 5+ years in the making and testing – built with HP ProLiant quality and trading floor-proven reliability.

# HP ProLiant servers with AMD Opteron™ 6000/6100 Series

## [HP ProLiant DL165 G7 Server](#)



The DL165 G7 is a high performance, low cost, ultra-dense rack server designed for memory intensive High Performance Computing (HPC) environments, web serving and memory intensive applications.

## [HP ProLiant SL165z G7 Server](#)



The HP ProLiant SL165z G7 server is part of the HP ProLiant SL6000 family, optimized for scale-out customers to greatly reduce costs, maximize power efficiency, by sharing power supplies and fans, and maintain total flexibility. Two independent HP ProLiant SL165z G7 servers go into the 2U HP ProLiant z6000 Chassis. The HP ProLiant SL165z G7 server is a two socket AMD server with 24 DDR3 DIMM sockets, up to 12 cores per processor and support for a low profile x16 PCI-e Gen 2 and an internal x4 PCI-e Gen 2 slot. The HP ProLiant SL165z G7 is optimized for applications needing large amounts of memory and I/O.

## [HP ProLiant DL385 G7 Server](#)



As the leading 2P 2U AMD rack server, the ProLiant DL385 G7 is designed with virtualization in mind, yet flexible and expandable to support any business need in many environments from corporate datacenters to sophisticated SMBs.

### [HP ProLiant DL585 G7 Server](#)



HP continues to raise the bar on technology innovation and engineering excellence. The new HP ProLiant DL585 G7 server delivers industry leading efficiencies to reduce costs in both capital as well as operating budgets.

The new HP ProLiant DL585 G7 server features the latest scale-up AMD Opteron 6000 series processors supporting up to 48 cores, up to 512 MB memory footprint and up to 11 PCIe 2.0 I/O slots (all full-length; full-height). This perfect balance of new system architecture, extensive memory capacity and I/O throughput significantly accelerates virtualization, eliminates performance bottlenecks and best of all, the HP ProLiant DL585 G7 server is the first server that can pay for itself in as little as 30 days, delivering 4P performance with 2P economics.

In addition to gains delivered by the new Intel architecture, the HP ProLiant DL585 G7 server brings a wealth of HP innovations to further reduce costs: New iLO3 remote management solution eases administration burdens; Common Power Supplies, Hard Drives and Memory allow self service for customers to reduce spare parts inventories; HP Insight Control and HP Thermal Logic technologies reduce operational expenses and enhances datacenter capacity

### [HP ProLiant BL465c G7 Server Blade](#)



Featuring the latest AMD Opteron™ processors and integrated HP Virtual Connect FlexFabric architecture, the HP ProLiant BL465c G7 helps simplify network connections, lower infrastructure costs, and delivers the performance you expect for demanding application workloads. A unique drive drawer design enables flexible local storage options and allows for a large memory footprint of up to 256GB of memory.

## [HP ProLiant BL685c G7 Server Blade](#)



With the latest AMD Opteron™ processors and integrated HP Virtual Connect FlexFabric architecture, the HP ProLiant BL685 delivers cost-effective, scalable, dense four-processor performance for virtualization and compute-intensive database applications.

## For more information

To read more about HP ProLiant servers, please visit [www.hp.com/go/proliant](http://www.hp.com/go/proliant)

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