



HP ProLiant BL260c G5 Server Blade

Data sheet



The HP ProLiant BL260c G5—the world's most power-efficient blade server. Also, the most affordable.

For the first time, you can fill an entire blade enclosure with server blades¹ for less than USD10,000, while improving energy efficiency per server 64% versus the closest competitor². With the ProLiant BL260c G5, your IT budget goes further so you can grow your business and server capacity at your pace without upgrading the power and air conditioning of your server room.

The HP ProLiant BL260c G5 comes in a variety of models to fit a wide range of applications, from basic infrastructure applications like file/print and mail and messaging, to network services like Citrix or even ultra power-efficient HPTC cluster solutions.

The secret of the ProLiant BL260c G5 is a no-compromise design based on a balanced architecture. This helps deliver the performance, reliability, and ease of management you would expect in an enterprise-class server. Packed with features to deliver high performance, expansion, and reliability to your business applications, the BL260c also has remote management built-in. In addition, it is compatible with HP storage blades that add extra data protection for your business. Depending on the needs of your applications, you have multiple choices of processing power from Quad-Core Xeon, to power saving low-voltage models, and the affordable single processor option.

¹ 8 server blades within the HP BladeSystem c3000 enclosure

² The HP BladeSystem raised the industry bar for power efficiency with a SPECjbb2005 benchmark result of 1575.66 performance/watt compared to Dell's previously reported result of 958.86 for the M600 server blade.

Key features and benefits

Say yes to no-compromise performance

- Up to two Intel Standard or Low Voltage Quad-Core or Dual-Core Xeon 5000 Sequence Processors or one Intel Xeon or Desktop Uni-processor available in Single, Dual, or Quad-Core
- Up to 24 GB of Registered PC-2 5300 DDR2 memory running at 667 MHz to reduce a common system bottleneck
- One mezzanine expansion slot for I/O options such as multi-function gigabit NICs, standard NICs, 4Gb Fibre Channel, or InfiniBand for improved I/O bandwidth and data throughput with additional levels of uptime

Stay in control with built-in powerful management

- Run cooler and save more power with Registered PC-2 5300 DDR2 DIMMs and the new Intel 5100 chipset
- Save on travel time and stay in control of remote sites and branch offices from a central location with the built-in Integrated Lights-Out 2 (iLO 2)
- Perform administrative or maintenance tasks from a single remote console, just like you were there in person, through the new virtual KVM performance
- Upgrade to HP iLO 2 Select and gain power regulator reporting, scripted multi-server virtual media, and additional enterprise security
- Save time and simplify setup and maintenance with HP Insight Control Environment software with built-in deployment, health and performance monitoring, software version control, vulnerability scanning, and patch management

Save power while you grow your business

- Pack more servers in a small space within the limits of your server room's power and air conditioning with the new, power efficient low voltage Intel® Xeon 5400 and 5200 Sequence processors
- Run cooler and save more power with DDR2 Registered ECC DIMMs and the new Intel 5100 chipset
- Save every watt of power or gram of cool air with Thermal Logic technology within every HP BladeSystem that adapts in real time with your demands

What's new

Performance

- Up to two Intel Xeon Quad-Core sequence processors for ultimate processor performance with eight cores using larger and more enhanced 12 MB L2 cache
- Up to 24 GB of Registered PC-2 5300 DDR2 ECC DIMMs for enhanced performance-per-watt

- One PCIe mezzanine expansion slot X8, type 2 and integrated x4 PCIe support for hard disk drive storage expansion

Management

- Integrated Lights-Out 2 (iLO 2) Management for unprecedented, high-speed management which includes virtual KVM and graphical remote console at no additional cost
- HP iLO Power Management Pack software for centralized control of server power consumption and thermal output, reliable security, and energy savings
- HP Power Regulator for an innovative operating system-independent power management feature for server power consumption and system performance to meet critical business needs
- HP Insight Control Environment for HP BladeSystem for comprehensive system health, remote control, vulnerability scanning, and patch management as well as flexible deployment and power management in an easy to install software suite

Options

- Low voltage processor options targeted at more efficient performance per unit and performance-per-watt for cooler, power-optimized systems
- I/O expansion with optional 4Gb Fibre Channel, Ethernet networking, and InfiniBand mezzanine cards
- Direct-attach blades available for additional local storage, data protection, or PCI card expansion

Other features

- Enhanced for maximum density deployments of 64-bit systems without sacrificing functionality
- Internal USB connector for disk-on-key, security licensing, and integrated hypervisors
- Up to 6 memory expansion slots supported

Ideal Environment

Ideal environments include small, mid-markets, remote offices or branch sites.

- Affordable blade server price resulting in lower total cost of ownership for the budget conscious customer
- High performance and remote manageability support for centralized or remote/branch site environments
- Low power processors targeted at more efficient performance per unit and power per watt
- Simplicity of customer experience making it a perfect fit for any remote site(s) or branch office(s)

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Processor Type	Intel Xeon® 5400 and 5200 Sequence Processors Intel Xeon and Desktop Uni-processors
Processors	Up to two Quad-core or Dual-core Intel Xeon 5400 and 5200 Sequence Processors or up to one Intel Xeon or Desktop Uni-processor
Processor Core	Quad-Core and Dual-Core for Intel Xeon 5400 and 5200 Sequence Processors Quad-Core for Intel Xeon Uni-Processors Dual-Core and Single-Core for Intel Desktop Uni-processors
Processor Capacity	2
Max Processor Speed	3.00 GHz
Max Front Side Bus Speed	1333 MHz
Processors per 42U Enclosure	128
Memory Type	Registered PC-2 5300 DDR2
Standard Memory	1 GB and 2 GB Registered PC-2 5300 DDR2
Max Memory	24 GB Max Registered PC-2 5300 DDR2
Storage	
Storage Type	Non-hot Plug Small Form Factor SATA
Hard Drives Supported	Up to 2 Serial ATA (SATA) Small Form Factor Non Hot-Plug SATA Drives; Non Hot Plug 120 GB 5.4 k SATA; 1-year Warranty
Expansion Slot	Up to 1 (x8) mezzanine expansion slot supporting multiple fabric choices: Multifunction NICs or standard NICs, 4Gb Fibre Channel, Ethernet, 10 GbE, or InfiniBand
Fibre Channel SAN Support	Dual-port Fibre Channel Adapter option
Deployment	
Form Factor Chassis	Half-height Blade
Form Factor Size	16 blades per c7000 enclosure and 8 blades per c3000 enclosure
Networking	Embedded NC326i Dual Port Gigabit Server Adapter Network Processor
Redundant Power Supply	Enclosure-based power
Warranty—year(s) (parts/labor/onsite)	1-1-1
Remote Management	Integrated Lights-Out 2 (iLO 2) Standard Blade Edition with virtual KVM and graphical remote console at no additional cost

For additional technical specifications, please visit the ProLiant BL260c G5 QuickSpecs at http://h18000.www1.hp.com/products/quickspecs/13026_div/13026_div.pdf

Ideal applications

- Infrastructure such as file/print, mail/messaging, domain name system, firewall, and directory services: Microsoft Exchange, Lotus Notes
- Performance sensitive network infrastructure services, Client/server: Citrix Presentation Server, Microsoft Windows Terminal Services
- More effective/better solution for Low-end Performance Computing (HPTC) applications, Clustering, and Storage Area Networks

Why HP over other blade choices?

Our unique innovations solve your daily business challenges. We combine the excellent technology from across the HP portfolio to broaden the breadth and scope of our BladeSystem offering.

- **Thermal Logic technologies:** Smart technology saves you energy and lightens the load on your air conditioners, saving 64 percent in total performance per watt.
- **Virtual Connect architecture:** Wire once, then add, replace, or recover blades on the fly, without impacting networks and storage or creating extra steps.
- **Insight Control management:** Simple, single package with all the tools to streamline operations and increase administrator productivity up to ten-fold.
- **NonStop midplane:** The same million-dollar reliability that helps run Wall Street is built-in to keep your business up and running.
- **Onboard Administrator:** Wizards and tools to get you up and running in minutes compared to hours or days to simplify daily tasks, get warned of potential issues, and eliminate unwanted downtime.

The easiest way to invest in IT

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 local HP representative or visit

www.hp.com/go/hpfinancialservices

HP Services

HP Services offers a comprehensive range of services to help design, deploy, manage, and support your IT environment and business processes. Our 69,000 skilled professionals and network of service partners deliver global services capabilities across the IT lifecycle, including consulting, integration, outsourcing, and support.

HP Support Care Pack Services deliver total care. Cost-effectively upgrade or extend your standard warranty with easy-to-buy, easy-to-use support packages. They reduce downtime risks with support levels that range from basic to mission-critical. HP Care Pack Services are available for purchase along with your ProLiant BL260c G5 Server Blade.

Recommended service offerings:

Recommend support delivers a support level with committed, same day response, and work through commitment until problem resolved. *ProLiant BL260c G5—3-year, 24x7, same-business-day, 4-hour onsite response hardware support*

Enhanced support provides round-the-clock response and complex problem resolution through integrated hardware and software support. *ProLiant BL260c G5—3-year, 24x7, Support Plus 24*

Deployment services include Installation and Startup services designed to take the time, risk, and worry out of the deployment of c-Class enclosure, ProLiant server blades, and Insight Control Environment software for BladeSystem. HW installation for BL260c server blade into existing c-class enclosure is also available.

For more information, please visit www.hp.com/services/bladeSystem

For more information

For more information about the HP ProLiant BL260c G5 Server Blade, please contact your local HP representative, or visit

<http://h18004.www1.hp.com/products/blades/components/c-class-bladeservers.html>

To connect with other blade customers, partners, and experts, visit the HP Blade Connect online community www.hp.com/go/bladeconnect

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To learn more, visit www.hp.com/servers/bl260-g5

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