

# HP ProLiant BL20p Generation 3 Server Blade

Data sheet



## Enterprise-strength performance, availability, and manageability without tradeoffs

Now available with new Dual-Core Intel® Xeon™ processors, the ProLiant BL20p Generation 3 (G3) is a dual-processor server blade designed to deliver performance and uptime for demanding enterprise applications. Optional Fibre Channel support for storage area networks (SAN) and clustering capabilities make the BL20p server blade an ideal solution for data-intensive applications and server consolidation projects. Because it shares the same enclosure as the BL20p G2, the BL30p, and the BL40p server blades, this server blade makes an easy addition to existing HP BladeSystem environments.

### Key features and benefits

- Provides flexibility and choice—both Intel Xeon single- and dual-core processors and hot plug SCSI drives provide no-compromise performance and availability.
- Fibre Channel connectivity support for multivendor SAN solutions.
- Easy integration with the HP BladeSystem's modular architecture reduces operational costs and protects future investments.

The BL20p G3 server blade delivers superior manageability and reduces administration costs through HP Integrated Lights-Out (iLO) and other HP solutions, such as ProLiant Essentials Rapid Deployment Pack.

### What's new

- New Dual-Core Intel Xeon processor (2.8 GHz) with 4 MB (2 x 2 MB) L2 cache
- Support for Intel Xeon 2.8 GHz/2 MB/800 MHz DC Processor Option Kit

### Ideal applications

- **Server consolidation.** The HP BladeSystem blends servers, storage, and power into a streamlined management framework that lets enterprises do more while reducing administration costs and conserving floor space.
- **SMP to Linux® migration.** The BL20p server blade is well suited to the Linux operating system. Migrating to Linux can lower overall platform/system costs significantly.

The ProLiant BL20p G3 Server Blade combines processing power with scalable storage options to provide a high-performance platform ideal for data-intensive applications and server consolidation.

- **Multiserver applications.** The BL20p server blade's advanced processors, high-performance 15,000 RPM SCSI drives, and 8 GB maximum memory make it the perfect solution for multiserver applications—including dynamic Web hosting, terminal server farms, media streaming, and enterprise applications, such as enterprise resource planning (ERP) and customer relationship management (CRM).
- **Virtualized and automated data centers.** Because HP BladeSystems provide virtual pools of capacity that can be dynamically reallocated and simply managed, the BL20p server blade is a good candidate for 24x7 data centers.

## Key benefits

- **Enterprise-class performance and availability.** Up to two 2.8 GHz Dual-Core Xeon processors and hot plug SCSI drives provide no-compromise performance. High-availability features such as redundant power, hot plug drives, and redundant SAN connectivity keep business-critical applications up and running.
- **High-performance connectivity.** With a 2 Gb Fibre Channel option for SAN, the BL20p server blade supports cost-effective storage management and the rapid addition of new storage in response to changing business needs.
- **Rapid scalability.** The BL20p server blade works seamlessly with the HP BladeSystem's modular architecture, so it can be quickly added to most BladeSystem environments. Likewise, BladeSystems can dynamically re-allocate resources to applications based on demand, allowing scalability "on the fly."
- **Integrated virtual management for continuous access and control.** HP iLO Advanced functionality, which ships standard on every ProLiant BL p-Class server blade, provides virtual CD and floppy capabilities plus enhanced remote access. Likewise, Insight Manager 7 provides visualization of all blades at an enclosure and rack level for ProLiant BL server blades.

- **Rapid deployment.** ProLiant Essentials Rapid Deployment Pack lets IT managers deploy and redeploy hundreds of blades by simply dragging and dropping predefined scripts and images.
- **Consolidated cabling.** The BL20p server blade's innovative design reduces cabling by more than 80 percent compared to traditional 1U servers.

## Support

HP BladeSystem solutions offer flexible options for companies needing complete technology solutions that may encompass anything from services and storage to networking and data center integration. To give customers the flexibility they need to design and implement a specifically tailored solutions package, HP offers complete care and services, including

- HP Datacenter Environment services
- HP Factory Express services
- HP Instant Capacity

HP offers both hardware (with complete installation) and software support of all BladeSystem products and services. To increase ROI, multivendor hardware support is offered both on a 24x7 and 13x5 basis.

Learn more at:

[http://www.hp.com/hps/servers/sr\\_blade\\_services.html](http://www.hp.com/hps/servers/sr_blade_services.html)

## For more information

For more information about the HP ProLiant BL20p G3 Server Blade, visit [www.hp.com/servers/bl20p](http://www.hp.com/servers/bl20p).

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For more information, visit [www.hp.com/servers/bl20p](http://www.hp.com/servers/bl20p).

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