

# HP Integrity BL60p Server Blade

Datasheet



## Extending HP BladeSystem with powerful performance for business-critical applications and the HP-UX 11i environment

The HP Integrity BL60p Server Blade is the first server blade in the HP BladeSystem family that comes with the power of the Intel® Itanium® 2 processor for superior performance. Combined with the HP-UX 11i v2 operating environment, the Integrity BL60p Server Blade offers dramatically improved application deployment, resource utilisation, capacity management, reliability, and security – all for a low total cost of ownership.

### Key features and benefits

- Support for two Itanium 2 processors and two hot-swappable universal U320 SCSI disks
- The reliable and secure HP-UX 11i v2 operating environment, suitable for your most business-critical applications
- HP System Insight Manager, for a single point of control and comprehensive HP-UX 11i management tools
- HP Integrity Virtual Machines, enabling up to six operating environments on a single server blade

Because the Integrity BL60p Server Blade on the HP-UX 11i v2 environment can run side by side with HP ProLiant server blades hosting Microsoft® Windows® and Linux® applications in the same enclosure, it is easy to install, provision, deploy and manage – providing an efficient way of adding power to your environment. The Integrity BL60p Server Blade is the ideal choice for UNIX® based server consolidation projects and for delivering enterprise-strength applications to distributed, replicated sites – such as remote and branch offices.

# New HP Integrity BL60p Server Blades with the reliable and secure HP-UX 11i v2 operating environment can meet the needs of your most demanding workloads.

## What's new

### Performance

- Up to two Intel Itanium 2 processors
- Up to 8 GB of main memory with HP's Chip Kill technology for high availability
- Four Gigabit Ethernet LAN ports and two 2 Gb/s Fibre Channel ports
- Two hot-swappable universal hard disk drives

### Management

- Integrated Lights-Out (iLO) Remote Management, including HP Integrity Integrated Lights-Out (iLO) Advanced Pack
- HP Systems Insight Manager (HP SIM) provides unified infrastructure management of virtual and physical systems for HP Integrity and ProLiant servers – further simplifying control within and beyond the blade enclosure
- Comprehensive HP-UX 11i v2 management tools, including HP Integrity Essentials Global Workload Manager and HP Integrity Virtual Machines (Integrity VM) for flexibility, and HP-UX 11i Software Deployment and HP Ignite-UX for rapid software deployment

### Migration toolsets

- Solaris to HP-UX 11i Porting Kit
- binaryScan v1.2 for Solaris
- Solaris to HP-UX 11i Software Transition Kit v2.1
- Solaris to HP-UX 11i Porting Guide

For more information on transitioning from Solaris to the HP-UX 11i environment, visit [http://devresource.hp.com/drc/topics/solaris\\_hpux.jsp](http://devresource.hp.com/drc/topics/solaris_hpux.jsp)

## Ideal environments

### Server consolidation

- The HP Integrity BL60p Server Blade operates in the same enclosures as your HP ProLiant server blades. As a result, you can consolidate several HP-UX 11i v2, Microsoft Windows, and Linux system-based rack-mounted and/or pedestal servers into a single BladeSystem enclosure that's easy to deploy and manage.
- The powerful performance of the HP Integrity BL60p Server Blade means that you can consolidate multiple UNIX servers onto one blade and deploy several server blades in a single enclosure.
- Each Integrity BL60p Server Blade can run up to six guest HP-UX 11i v2 images using Integrity VM. With Integrity VM, you can improve resource utilisation while reducing administration costs.
- Using HP migration tools, you can easily transition from proprietary UNIX platforms, such as Sun Solaris, to the industry-standard HP-UX 11i v2 environment as you consolidate your servers.

# HP Systems Insight Manager provides a single point of control for HP-UX 11i v2 solutions on Itanium processor-based platforms, as well as for Linux and Windows based solutions on ProLiant server blades.

## Remote sites

- Because the Integrity BL60p Server Blade makes it easy to include both Integrity and ProLiant server blades in a single enclosure, you can rapidly scale up your existing environment to support business-critical applications for remote offices.
- The manageability features of the HP-UX 11i v2 environment make the HP Integrity BL60p Server Blade well suited for deployment in remote locations. It makes your remote data centre processes just as visible as their local counterparts.
- The HP-UX 11i v2 environment provides flexible and in-depth security for worry-free deployment and operation.

## Key benefits

- **Manageability** – The Integrity BL60p Server Blade is designed for seamless integration with HP System Insight Manager (HP SIM), which provides unified infrastructure management for virtual and physical systems on HP Integrity and HP ProLiant servers – further simplifying control within and beyond the blade enclosure. Because the Integrity BL60p Server Blade works with HP SIM, HP-UX 11i management tools and HP OpenView Software, it can be deployed in virtually any environment – from a small remote office to an enterprise-class data centre.

- **Flexibility** – The Integrity BL60p Server Blade supports a comprehensive suite of tools that deliver unprecedented flexibility. With Integrity VM, you can host six instances of HP-UX 11i v2 in one Integrity BL60p Server Blade for enhanced resource utilisation. Comprehensive HP-UX 11i management tools support increased deployment flexibility and rapid response to business change. And you can easily automate and manage goal-based workloads in your multiple operating system environment with HP Integrity Essentials Global Workload Manager.
- **Performance** – The Integrity BL60p Server Blade, with two Itanium 2 processors, delivers superior floating-point, integer, and Java™ performance.

## Support

HP Premium Services are available for the Integrity BL60p Server Blade. These services offer integrated hardware and software support to help customers maintain a robust, stable and flexible IT environment that enhances their business agility. They encompass today's most popular products, including HP-UX 11i servers, mobile technology, network devices, desktops, printers, storage solutions and management software.

# HP Integrity BL60p Server Blade

HP Services provides the broadest support portfolio, proven service excellence, best customer experience in the industry and global IT leadership, helping you seamlessly manage your changing IT environment.

HP Services professionals use proven support management processes based on IT best practices to help customers identify the Premium support offering that fits their business and technology goals. HP Premium Hardware and Software Services include:

- **Mission Critical Partnership** – Custom services to help you achieve your strategic business goals and fulfill your most demanding service-level commitments through continual service-quality improvements
- **HP Critical Service** – Comprehensive preventive services and super-responsive support to increase availability and reduce downtime risk exposure in mission-critical environments
- **HP Proactive 24 Service** – Collaborate with HP Services professionals to improve operational effectiveness, performance and stability through joint services planning and 24x7 hardware and software support
- **Support Plus 24** – 24x7x365 onsite hardware and over-the-phone software support for HP and selected multi-vendor products, plus software updates at substantial subscription savings

• **Support Plus** – The economical choice for single-source hardware and software support delivered during extended business hours, as well as cost-saving software updates

For more information, visit  
[www.hp.com/go/bl60pservices](http://www.hp.com/go/bl60pservices)

## For more information

For more information, visit the following sites:

HP Integrity BL60p Server Blade:  
[www.hp.com/go/bl60p](http://www.hp.com/go/bl60p)

HP BladeSystem Management Suite:  
[www.hp.com/go/blademanagement](http://www.hp.com/go/blademanagement)

HP-UX 11i operating environment for BL60p Server Blade:  
[www.hp.com/go/hpux11iv2](http://www.hp.com/go/hpux11iv2)

HP Integrity BL60p services:  
[www.hp.com/go/bl60pservices](http://www.hp.com/go/bl60pservices)

HP Technology Services:  
[www.hp.com/hps/support](http://www.hp.com/hps/support)

© Copyright 2005 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 Itanium are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries. Linux is a U.S. registered trademark of Linus Torvalds. Microsoft and Windows are U.S. registered trademarks of Microsoft Corporation. UNIX is a registered trademark of The Open Group. Java is a US trademark of Sun Microsystems.

For more information, visit [www.hp.com/go/bl60p](http://www.hp.com/go/bl60p)

4AA0-2274EEE. December 2005

