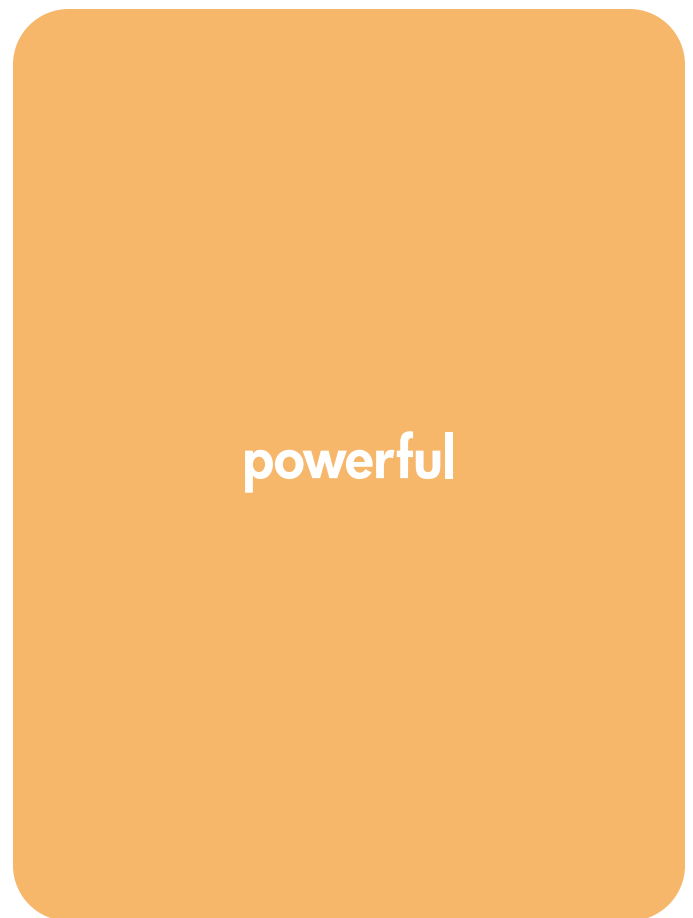


hp ProLiant
BL server family

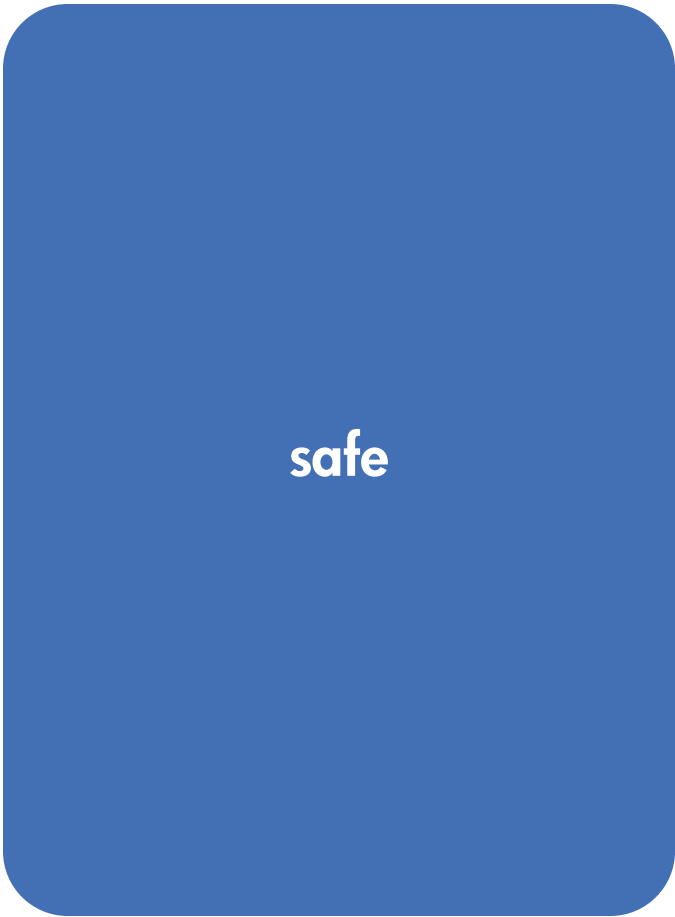


the only constant is change

There's no doubt about it. Today's business world is changing faster than ever. And only the companies that can react quickly to the shifting business models, organizational structures, and market conditions will survive. At the same time, space is constrained and resources are limited, while customer demands for service continue to grow ever higher.

What companies need now is a visionary infrastructure that adapts easily to change and is flexible enough to help real customers in real time.

Enter the HP ProLiant BL server family, a complete portfolio of server blade solutions that bring adaptive computing to the enterprise data center. The ProLiant BL server family is optimized for rapid deployment, automated provisioning, and space and power savings. The result is an intelligent, modular architecture that enables you to conserve resources, scale with ease, and respond immediately to customer needs.



The ProLiant BL server family delivers new levels of power, performance, and efficiency to the data center.

embrace rapid scalability Now you can meet the complex demands of today's enterprise environments. Simply choose the unparalleled performance and availability of the ProLiant BL p-Class server blades or the ultra-dense, power-efficiency of the ProLiant BL e-Class server blades. And you'll get a complete solution that supports future growth.

maximize your resources The slender blade profile enables you to pack more performance into every rack. And with powerful automated deployment software, you can set up and/or redeploy entire server farms in hours, rather than weeks.

manage from anywhere Now you can instantly access and manage your entire infrastructure remotely for true manageability. As a result, you'll have fewer demands on your valuable IT personnel.

protect your investment The flexible infrastructure of the ProLiant BL server family can accommodate next-generation blades and includes plenty of power headroom for future processors. Plus, it works with your existing racks, servers, and storage equipment.

hp ProLiant BL p-Class



Engineered for high performance and rapid deployment, the ProLiant BL p-Class server blade protects your investment as your needs change.

be prepared for dynamic growth The ProLiant BL p-Class features an intelligent, modular design that enables dynamic resource scaling. You can install up to eight high-performance, dual-processor ProLiant BL20p server blades in the 6U* enclosure, along with your choice of network interconnects. The hot-plug SCSI power supplies reside in a separate enclosure, providing a shared pool of redundant power and highly reduced cabling. And the flexible, forward-compatible infrastructure supports both next-generation blades and processors, giving you a cost-effective path to future growth.

*1U=1.75"

power enclosure



hp ProLiant BL p-Class power enclosure

interconnects



hp ProLiant BL p-Class RJ-45 patch panel



hp ProLiant BL p-Class GbE interconnect switch (available with fiber or copper uplinks)

modular



Meet the unstoppable performance and availability demands of today's enterprise applications.

gain world-class performance The ProLiant BL p-Class server blades deliver high-performance processors, redundant components, and hot-plug drives in a compact rack design.

- reduce cabling by up to 80 percent compared to traditional 1U servers with innovative interconnect kits
- maximize space by installing up to 48 ProLiant BL20p server blades in a standard 42U rack

extend IT resources through flexible deployment Using the ProLiant Essentials Rapid Deployment Pack, you can deploy hundreds of HP server blades with drag-and-drop ease.

- install and automatically provision/reprovision server blade compute resources in seconds
- deploy upgrades and changes rapidly across the architecture

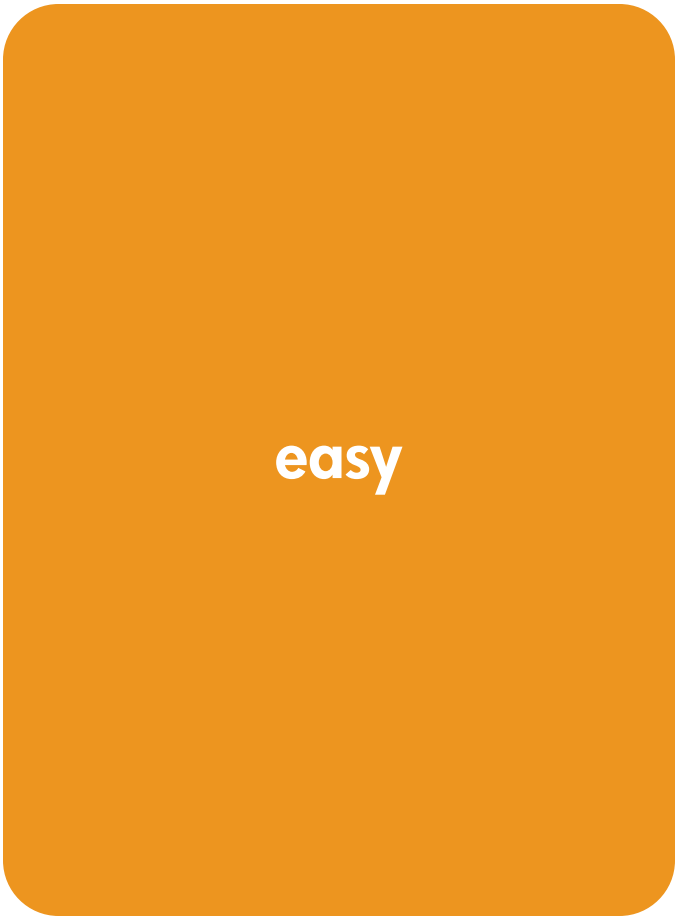
take charge with remote management Included with each ProLiant BL p-Class server blade, the HP Integrated Lights-Out Advanced Pack—as well as HP Insight Manager 7—offers powerful management from anywhere, anytime.

- enjoy full graphical access to the host server
- receive detailed fault and performance data, along with visualization of all HP server blades

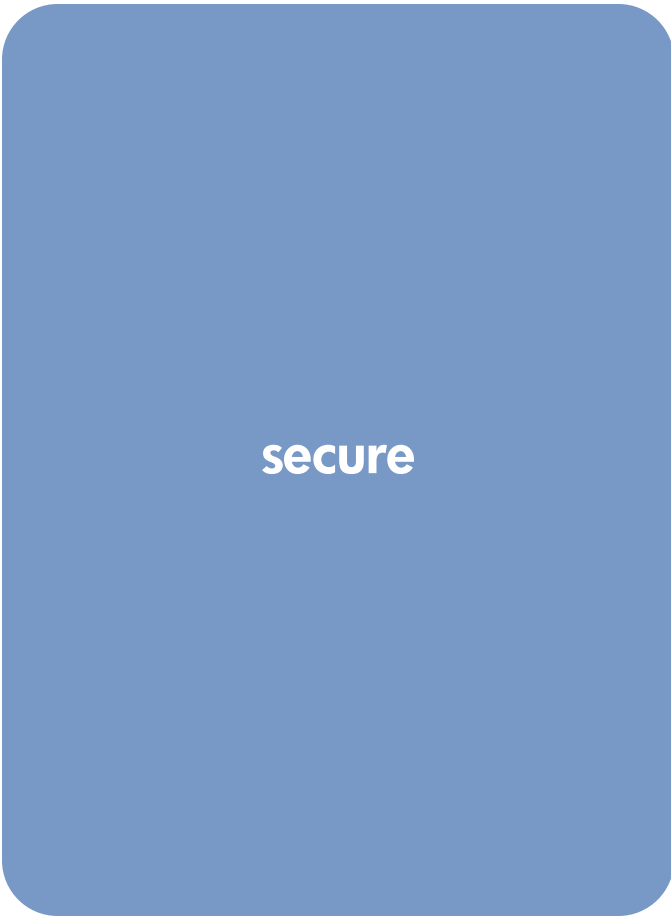
scalable



fast



easy



secure

Get the availability, manageability, and intelligence of a much larger system in an ultra-dense design.

harness the power-efficient performance ProLiant BL10e server blades integrate a server-class chipset, ultra-low voltage processor, and power-saving components in a hyper-dense design.

- save valuable data center space—fitting up to 280 blades in a standard 42U rack
- provide enterprise-class availability with redundant, hot-plug power and cooling components

deploy multiple servers in a snap The ProLiant BL10e server blade is optimized for use with the ProLiant Essentials Rapid Deployment Pack, allowing for scalable, automated server deployment without network degradation.

- save time with “rip-and-replace” serviceability
- provision/reprovision server blades in minutes

quickly respond to changing business needs The ProLiant BL e-Class Integrated Administrator delivers a single console image for monitoring and managing the server blades, as well as their enclosures.

- secure remote access to all your front-end systems
- dynamically manage the allocation of valuable computing resources within your data center

hp ProLiant BL e-Class



Easy to deploy and manage, the ProLiant BL e-Class enables you to make the best use of valuable space, power, and IT resources.

adapt to changing market requirements For maximum density, you can load up to 20 power-efficient ProLiant BL10e server blades in a rack-mountable 3U server blade enclosure. Designed for modularity, the enclosure provides redundant, hot-swappable fans and power supplies, as well as integrated management capabilities. It supports simplified cable management and three network interconnect options. Plus, to maximize your investment, the industry-standard enclosure fits into your existing racks and works with your existing infrastructure.

interconnect trays



hp ProLiant BL e-Class C-GbE interconnect switch



hp ProLiant BL e-Class RJ-45 patch panel



hp ProLiant BL e-Class RJ-21 patch panel

hp ProLiant BL e-Class C-GbE interconnect switch
layer 2 redundant switch provides up to 40-to-1 network cable reduction

inside the hp ProLiant BL e-Class

Take a look inside the server blade enclosure to see these components:

- ① hp ProLiant BL10e server blade
- ② 20 bays
- ③ center wall assembly
- ④ redundant, hot-plug power supplies
- ⑤ redundant, hot-plug cooling fans
- ⑥ interconnect tray
- ⑦ integrated administrator

hp ProLiant BL10e server blade
plugs into the enclosure for network and power connections

hp ProLiant BL e-Class server blade enclosure
holds up to 20 HP ProLiant BL10e server blades in a rack-mountable, 3U design

save time with robust management Use these tools to keep pace with growing enterprise demands:

- **HP ProLiant BL e-Class integrated administrator**
enables robust monitoring and management of the enclosure and all the server blades within it; ships standard with the ProLiant BL e-Class systems
- **HP ProLiant Essentials rapid deployment pack option**
automates the process of deploying and provisioning server software
- **HP ProLiant Essentials foundation pack**
includes HP Insight Manager 7 for server management; ships on all ProLiant servers

want a closer look?

Check out the enclosed CD-ROM for an interactive tour of the HP ProLiant BL server family, along with detailed technical specifications.



hp ProLiant BL server family



Offering total investment protection, the ProLiant BL server family delivers a flexible, forward-compatible infrastructure.

evolve your infrastructure, at anytime Featuring a modular design that supports rapid scalability, ProLiant BL systems are ideal for space-constrained enterprises and service providers. The enclosures can operate in ProLiant, telco, and most third-party racks—alongside other server, storage, or network equipment—to protect your existing and future investments.

hp ProLiant BL e-Class—power-efficient server blades fit in a 3U enclosure and are the perfect solution for web serving and infrastructure applications

hp ProLiant BL p-Class—high-performance server blades fit in a 6U enclosure and are ideal for dynamic web hosting, terminal server farms, and media streaming

hp ProLiant BL p-Class power enclosure—redundant, hot-plug power supplies are in a 3U enclosure, providing a shared pool of power for deployment flexibility

service and support

HP Services provides a one-year, limited warranty¹ on the ProLiant BL server blades and a three-year, limited warranty on the server blade enclosures. Warranties are fully supported by a worldwide network of resellers and service providers. HP technical assistance is available 24x7, toll free in the United States and Canada. Telephone support services may be covered under warranty or available for an additional fee.

The services portfolio for the ProLiant BL server family includes:

- hardware installation
- ProLiant Essentials Rapid Deployment Pack server installation and startup
- software support for O/S and applications
- deployment services for Rapid Deployment software
- security services management
- disaster recovery services
- assessment, planning, and design services
- software product services
- stand-alone telephone support
- rights to new license version
- media and documentation updates
- hardware product services
- data center planning and design services
- deployment and installation services
- on-site maintenance (includes warranty support)

on-site response time and coverage upgrades

- 3-year, upgrade to 9x5, next-day response
- 3-year, upgrade to 9x5, 4-hour response
- 3-year, upgrade to 24x7, 4-hour response

for more information

To learn more about the ProLiant BL server family, please visit www.hp.com/servers/proliant. You can also find out more about ProLiant Essentials software at www.hp.com/servers/proliantessentials

¹Certain restrictions and exclusions apply. Consult the HP Product Information Center for details: 800.345.1518.

17B8-1102A-USEN

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