



HP BladeSystem c-Class Servers

- + *An affordable, consolidated, and facility-friendly system that will cost less to buy and to run over the long term*
- + *A modular system with virtual capabilities that adapts easily, so you can take all changes in stride—be it organization, geography, application, and site*
- + *Designed to maximize data center power and cooling efficiencies with built-in Thermal Logic technology*
- + *Pre-integrated and fully automated to reduce management tasks and free IT administrators to focus on more strategic initiatives*

Expand Your IT Infrastructure Possibilities.

With the advent of the new HP BladeSystem, there's no need for you to be restrained by conventional infrastructures again. The HP BladeSystem gives you a best-run IT infrastructure—it's cost-savvy, change-ready, energy-thrifty, and time-smart—right out of the box. By unifying server, storage, network, power/cooling, and management capabilities it can help create unlimited possibilities for your business.

Solution Benefits

+ Cost-savvy: Reducing your total cost of ownership

The HP BladeSystem c-Class is consolidated from the start for lower purchase prices and operation costs. Its modular server, storage, network, and power can be purchased on an as-needed basis and plugged into a consolidated enclosure with common management. It uses less space and power, far fewer cables, and has redundancy built-in. Since it is change-ready, it reduces system complexity and increases flexibility. And its LAN and SAN connections are configured at the rack or enclosure level, allowing resources to be moved, added, and redeployed with no impact to LAN/SAN connections.

In fact, a fully loaded HP BladeSystem enclosure can connect to LAN and SAN environments via two cables. In addition, you can pre-provision all server connections up front and connect four enclosures with only two 10GB uplinks. The virtual connection and machine management software eases server and connection migration at the physical and virtual levels.

+ Energy-thrifty: Increasing power and cooling efficiencies

Power and cooling innovations are designed to keep pace with future power-hungry processors. Monitoring and measurement gives total insight into power and cooling conditions so you can resolve issues before

they affect cost or performance. With HP Blades, power and cooling are self-regulating and self-adjusting for efficient energy use.

+ Time-smart: Simplifying the process of managing more—faster and smarter

The HP system delivers mainframe-class infrastructure manageability and control with Blade-class simplicity and flexibility. The intelligent, automated infrastructure allows for quick and easy deployment to reduce management time and increase efficiency. Single console management provides integrated set-up, fault, change, and performance management across servers, storage, networking, power, and cooling domains. You can dramatically lower power and cooling costs when fewer servers are needed to do the job.

The ePlus® Advantage

ePlus is a trusted HP partner, holding Enterprise Elite Partner status. In addition, ePlus is an HP Blades Elite Partner with Certified Blade Engineers located within all of our regional offices. We provide professional services with HP or as standalone engagements to help plan, design, and deploy the application environments that best run on Blade Servers. ePlus has expertise in HP Systems Insight Manager, which allows for Unified Server and Storage Management from one pane of glass. Our customers value the benefits derived from working with ePlus to simplify server and storage management.



888-482-1122

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Key Differentiators over Other Blade Technologies

With **Insight Control Management**, your data center will be "time-smart" by combining built-in infrastructure intelligence with custom-tailored software packages, automation, and virtual environment control to reduce system management—all governed from a single console.

- + HP's unified management environment eliminates steps and automates processes and routine tasks so you can spend less time on maintenance.
- + Intelligent Infrastructure management is integrated into the enclosure; the Onboard Administrator and Integrated Lights-Out control in each Blade Server provide a powerful, simple interface for easy and rapid set-up, maintenance, and problem identification and resolution of the entire infrastructure.
- + HP Insight Control software is delivered in integrated packages that contain all of the tools necessary to manage an end-to-end infrastructure. Each package integrates essential functionality in a single installation that includes patch management, rapid deployment, and automation—all covered with a single license.

With **Virtual Connect Architecture**, your IT infrastructure will be "change-ready" by separating the physical Blade connections from a logical view out to the data center. Administrators can easily make rapid changes without disturbing the external network and storage connections.

- + It separates the physical connections between HP BladeSystem servers and the LAN and SAN. It establishes MAC addresses for all NICs and WWNs for all HBAs, then holds them constant even if a server is gone or replaced.

- + You can add, move, and replace servers fast without affecting LANs or SANs and their admins. Fewer switches and cables to manage plus a single view of multiple enclosures lowers operating costs and boosts admin productivity.
- + Innovative architecture designed for high availability throughout supports multiple new fabric types for reliable, high-speed connections.

With **Thermal Logic Technology**, your data center will be "energy-thrifty" by controlling power load and cooling control to adapt automatically based on changes in workload demand and environment.

- + Insufficient power and overheating are hot buttons for growing IT environments—in fact, power costs are quickly catching up to acquisition costs. HP Thermal Logic technology delivers an energy-thrifty infrastructure that automatically adjusts and shifts power load and cooling based on changes in demand and the environment.
- + HP BladeSystem provides new technologies optimized around physics, such as:
 - HP Active Cool fans that pump more air with less power
 - PARSEC architecture for redundant, scalable airflow vectoring that puts the most air in the right place
 - Dynamic Power Saver that conserves energy by adjusting power supplies to provide optimal utilization

- + Multiple instrumentation points put all power and cooling data at your fingertips, for insight into the thermal/power state of your environment and the control for immediate resolution.



For more information about how your organization can benefit from ePlus' BladeSystem expertise, contact your local sales rep.

Visit us on the Web at www.eplus.com/HPBlades

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