

Extending the value of blades to higher performance in an enterprise environment



IBM BladeCenter H



Highlights

- ***Delivers high performance to run the most demanding applications and simulations at blazing-fast speeds***
- ***Provides easy integration to promote innovation and help manage growth, complexity and risk***
- ***Protects your investment by being compatible with the entire IBM BladeCenter® family***

In today's high-demand enterprise environment, organizations need a reliable infrastructure to run compute-intensive applications with minimal maintenance and downtime. IBM BladeCenter H is a powerful platform built with the enterprise customer in mind, providing industry-leading performance, innovative architecture and a solid foundation for virtualization.

Powerful performance

This next-generation chassis is a workhorse—it runs applications quickly and efficiently, enabling organizations to maximize their investment and succeed in a highly competitive market. The powerful BladeCenter H delivers the performance customers need to make informed decisions.

With IBM Open Fabric Manager, BladeCenter H can help organizations run applications even more efficiently by delivering a flexible, open and connected infrastructure.

Driving innovation

IBM continues to build on its reputation for helping customers find innovative IT solutions with BladeCenter H, which delivers even more capabilities to the BladeCenter family. The 9U chassis provides the standard BladeCenter

functionalities with the added performance of high-speed I/O and the fastest blades. Other highlights include:

- *High-speed fabric with eight data channels to every blade, four of which can be 10 Gb*
- *Flexible, scalable design so the system can grow as your business grows*
- *Sustainable platform life for enhanced investment protection*
- *Multi-Switch Interconnect Module for additional connectivity to blade servers*
- *Light path diagnostics for fast, simple, accurate troubleshooting to help guard against system downtime*

BladeCenter H also drives innovation through its open architecture, supporting industry-standard I/O switches from Cisco, Brocade and others,

so organizations have more choice and flexibility when it comes to their IT environment. Likewise, IBM's affiliation with blade.org helps open the architecture even more by supporting an online, collaborative environment to promote advances in technology solutions.

Managing growth, minimizing risk

With its unsurpassed architecture, BladeCenter H efficiently integrates servers, storage, networking, I/O and applications, enabling organizations to build flexible IT infrastructures using common building blocks. This helps customers control costs by protecting their investments—and with a powerful set of tools that are open and equally integrated, organizations can quickly deploy and easily manage their systems.

As a rack-dense, space-saving chassis, BladeCenter H provides a superior foundation for virtualization. And in a

virtualized environment, organizations can run a more flexible, better utilized and potentially more cost-effective IT infrastructure with a common management construct.

Easy and energy-efficient

Because BladeCenter H is up to 10% more energy efficient than the HP C-class chassis¹, organizations know they're making the right choice when it comes to using less power. Innovative tools such as IBM Systems Director Active Energy Manager™ track power usage so organizations can better manage energy and help prevent outages. And not only does BladeCenter H help organizations go green and save, it also makes it easy to deploy, integrate and manage applications—so customers can focus on their business and not on their IT.



IBM: The right choice

As an industry leader in innovative IT systems, IBM delivers yet another important solution for the IT environment. BladeCenter H is the ideal chassis for running the most demanding applications and simulations at high speeds, giving enterprise organizations a distinct advantage over competitors.

The BladeCenter family of products includes five chassis—BladeCenter E, BladeCenter H, BladeCenter HT, BladeCenter S and BladeCenter T—that meet a wide range of customer needs.

BladeCenter H delivers high performance by supporting 4X InfiniBand® and 10 Gb Ethernet switches. It also supports the largest power supplies and the entire family of IBM blade servers.

IBM BladeCenter H at a glance

| | |
|-------------------------------------|---|
| Form factor/height | Rack-mount chassis/9U |
| Blade bays | Up to 14 |
| Switch modules | Up to four traditional, up to four high-speed, and up to four bridge module bays |
| Power supply module | Up to 4 hot-swap and redundant 2900W AC with load-balancing and failover capabilities. Operating at 200-240V |
| Cooling modules | Two hot-swap and redundant blowers standard, additional fan packs on power supplies |
| Systems management hardware | Advanced Management Module standard; add an optional Advanced Management Module for redundancy |
| I/O ports | USB-based keyboard, video, mouse (KVM), Ethernet, USB |
| Standard media | Optical drive and two USB connections |
| Systems management software | Systems management and trial deployment tools |
| Predictive Failure Analysis® | Internal storage, processors, blowers, memory |
| Light path diagnostics | Blade server, processor, memory, power supplies, blowers, switch module, management module, internal storage and expansion card |
| Limited warranty² | 3-year customer replaceable unit and onsite limited warranty |
| External storage | Support for IBM System Storage™ solutions (including DS and NAS family of products) and many widely adopted non-IBM storage offerings |

For more information

World Wide Web

U.S. ibm.com/systems/bladecenter
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