



Highlights

- Provides outstanding performance with the latest Intel Xeon processor E5-2600 product family and 1600 MHz memory
- Integrated 10 Gigabit Ethernet (GbE) to gain flexibility and easy scalability
- Backward compatible with all existing BladeCenter chassis



IBM BladeCenter HS23

Next-generation two-socket system optimized for performance and scalable I/O

The IBM® BladeCenter® HS23 gives you the networking capacity you need to manage big data. The new Virtual Fabric-capable integrated 10 GbE is scalable up to four ports to offer extreme speed. Sixteen DIMM slots, supporting up to 256 GB of DDR3 memory, deliver more and larger virtual machines per blade compared to previous generations. Simplify deployment of infrastructure for faster time-to-value with IBM FastSetup®.

Outstanding performance

The HS23 offers outstanding performance, with support for the new 8-core Intel Xeon processor E5-2600 product family that processes up to 16 simultaneous threads. It has fast memory throughput and integrated RAID-0, -1, with optional RAID-5 with a battery-backed cache.

Flexible, scalable I/O

The HS23 provides integrated 10 GbE capability, delivering increased high-speed performance and I/O flexibility, running multiple protocols (FCoE/iSCSI), and freeing your CFFh slot to do more. Choose from a variety of adapters to suit your data center needs.

Energy efficiency

The HS23 is designed to help you be smarter about energy usage. Not only does it support low-voltage processors and memory, but it also has built-in energy monitors that help save on energy costs and consumption. You can combine the HS23 with the BladeCenter E chassis, the most dense chassis in the industry, to optimize efficiency and minimize power consumption.

Select configurations of the HS23 are part of the IBM Express Portfolio™ designed to meet the needs of small and mid-sized businesses. Easy to manage, Express models vary by country.



IBM BladeCenter HS23 at a glance

Form factor/height	Single-width (30 mm)
Processor (max)	Intel Xeon processor E5-2600 product family, with up to 8 cores, processing up to 16 simultaneous threads
Number of processors (std/max)	1/2
Cache (max)	20 MB
Memory (max)	256 GB at 1333 MHz (assuming 16 GB DIMMs), 16 DIMM sockets - VLP Registered ECC DDR3, at 1333 or 1600 MHz, memory mirroring and sparing supported
Expansion slots	1 CIOv slot (standard PCIe daughter cards) and 1 CFFh/CFFL slot (high-speed PCIe daughter card)
Disk bays (total/hot-swap)	2 hot-swappable HDDs or SSDs
Maximum internal storage	1 TB
Network interface	Integrated Virtual Fabric for BladeCenter, Emulex BE3 Dual 10 Gb/1 Gb
RAID support	RAID-0, -1 (optional RAID-5 with battery-backed cache)
System management	Unified Extensible Firmware Interface (UEFI), IBM Integrated Management Module, Predictive Failure Analysis, optional embedded hypervisor for virtualization, Systems Director Active Energy Manager™, light path diagnostics, IBM Systems Director, IBM Server Guide, UpdateXpress, Dynamic System Analysis with Integrated RT Diagnostics, BladeCenter Open Fabric Manager
Operating systems supported	Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise, VMware
Limited warranty	3-year customer replaceable unit and onsite limited warranty, next business day 9x5, service upgrades available

For more information

To learn more about the HS23 blade visit:

ibm.com/systems/bladecenter/hardware/servers/hs23/index.html

or contact your IBM marketing representative or IBM Business Partner.



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