BladeCenter HS23

Next-generation two-socket system optimized for performance and scalable networking

Do more in the data center you own with the BladeCenter® HS23. This efficient server helps you manage big data and is ideal for a wide variety of workloads including virtualization and cloud infrastructure solutions. New integrated 10 GbE Virtual Fabric provides high networking bandwidth. Sixteen DIMM slots, supporting up to 512 GB of DDR3 memory, deliver more and larger virtual machines per blade compared to previous generations. Simplify infrastructure deployment and complexity for faster time-to-value with FastSetUp™.

Outstanding performance

The HS23 offers outstanding performance, with support for the new 12-core Intel Xeon processor E5-2600 v2 product family that processes up to 24 simultaneous threads. It has fast memory throughput and integrated RAID-0, -1.

Flexible, scalable networking

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

Investment protection

Protect your investment by integrating the HS23 into your existing infrastructure. The HS23 is backward compatible with your existing BladeCenter chassis. It supports multiple technologies enabling zero rip-and-replace, and allows you to do more now or later as your business grows.

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

Why System x

System x is the leading provider of x86 systems for the data center. The portfolio includes rack, tower, blade, dense and converged systems, and supports enterprise class performance, reliability and security. System x also offers a full range of networking, storage, software and solutions, and comprehensive services supporting business needs throughout the IT lifecycle.

(intel)
inside™
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BladeCenter HS23

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Specifications

Form factor/height	Single-width (30 mm)
Processor (max)	Intel Xeon processor E5-2600 v2 product family, with up to 12 cores, processing up to 24 simultaneous threads
Number of processors (std/max)	1/2
Cache (max)	30 MB
Memory (max)	512 GB (assuming 32 GB DIMMs), 16 DIMM sockets - VLP Registered ECC DDR3, memory mirroring and sparing supported
Expansion slots	1 CIOv slot (standard PCIe daughter cards) and 1 CFFh slot (high-speed PCIe daughter card)
Disk bays (total/hot-swap)	2 hot-swappable HDDs (SATA/SAS) or SSDs
Maximum internal storage	2 TB
Network interface	Integrated Virtual Fabric for BladeCenter, Emulex BE3R Dual 10 Gb/1 Gb
RAID support	RAID-0, -1
System management	Unified Extensible Firmware Interface (UEFI), Integrated Management Module, Predictive Failure Analysis, optional embedded hypervisor for virtualization, IBM Systems Director Active Energy Manager™, light path diagnostics, IBM Systems Director, ServerGuide™, 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 9×5, service upgrades available

Options

600 GB 15K 6Gbps SAS 2.5'' G2HS HDD	800 GB SATA 2.5'' MLC HS Enterprise Value SSD	16 GB (1x16 GB, 2Rx4, 1.5V) PC3-14900 CL13 ECC DDR3 1866 MHz VLP RDIMM
00AJ300	00AJ370	46W0712
Optimize density and performance with the latest 2.5'' HDDs	High-performance, dense flash to accelerate applications	Add more memory to help improve the performance of all your workloads

For more information

To learn more about the BladeCenter HS23, contact your Business Partner or visit lenovo.com/thinkserver

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