IBM BladeCenter HS23E

All-purpose, flexible blade server designed for energy efficiency and performance

Highlights

- An all-in-one, versatile blade that offers flexible configurations to meet your changing business needs

- Provides superior performance with the latest Intel Xeon processor E5-2400 product family and 1600 MHz memory

The IBM® BladeCenter® HS23E offers you flexible configuration options and provides you the energy efficiency and density you need. Combine the twelve DIMM slots supporting up to 192 GB of DDR3 memory at 1600 MHz, with the integrated 1 Gigabit Ethernet (GbE) onboard for flexibility with value.

Superior performance

The HS23E offers value for performance, with support for the new 8-core Intel Xeon processor E5-2400 product family that processes up to 16 simultaneous threads and 1600 MHz memory. It is ideal for a variety of workloads such as business applications, virtualization, IT and web infrastructure, point of sale and smart computing.

Optimized for energy efficiency

The HS23E is designed to help you be smarter about energy usage. It supports low-voltage processors and memory. The HS23E offers unbounded compatibility in all BladeCenter chassis, including BladeCenter E to provide density, optimize energy efficiency and minimize power consumption.

Built for flexibility

The HS23E provides two ports of integrated 1 GbE and optional 4-port 10 GbE adapter for networking scalability. The option of software or hardware RAID provides flexibility to configure the HS23E to meet your business needs.

Select configurations of the HS23E are part of the IBM Express Portfolio™ designed to meet the needs of small and midsized businesses. Easy to manage, Express models vary by country.

IBM BladeCenter HS23E at a glance

Form factor/height	Single-width (30 mm)
Processor (max)	Intel Xeon processor E5-2400 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)	Capacity: 12 DIMM sockets at 192 GB Speed: 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 slot (high-speed PCIe daughter card)
Disk bays (total/hot-swap)	2 hot-swappable hard disk drives or solid state drives
Maximum internal storage	2 TB (assumes 1 TB drives)
Network interface	Broadcom 5718 onboard NIC with dual Gigabit Ethernet ports with TOE
RAID support	RAID-0, -1: choice of software and hardware RAID
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 HS23E blade visit: **ibm.com**/systems/
bladecenter/hardware/servers/HS23E/index.html or contact your
IBM marketing representative or IBM Business Partner.

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