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## Highlights

- Improve service with unparalleled RAS features and innovative management
- Reduce cost through increased performance, utilization and efficiency
- Manage growth and reduce risk on a BladeCenter platform with proven stability



# IBM BladeCenter HS22

*Versatile, easy-to-use blade optimized for performance, power and cooling*

## Designed for versatility

The IBM® BladeCenter® HS22 offers flexible options to support a broad range of workloads, including virtualization and enterprise applications. Along with intuitive UEFI-based tools, the HS22 can be customized and deployed quickly while best-in-class reliability features help keep you up and running. Mix and match the HS22 with the industry's most diverse set of chassis and blades and that go beyond x86.

## Built for performance

The HS22 provides outstanding performance with support for the latest Intel® Xeon® processors, high-speed I/O, and support for high memory capacity and fast memory throughput. The HS22 can run applications up to twice as fast compared to previous generation blades. In fact, you can run many applications faster than even competitor four-socket blades.

## Optimized for power, cooling efficiency

The HS22 features an innovative mechanical design optimized for cooling capability to help keep the blade running smoothly even under demanding conditions. Combined with low-voltage components, the industry's most energy-efficient chassis, and robust power management tools, the HS22 helps control power consumption and maximize efficiency.

Select configurations of the HS22 are part of the IBM Express Advantage™ Portfolio designed to meet the needs of midsized businesses. Easy to manage, Express™ models and configurations vary by country.





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## IBM BladeCenter HS22 at a glance

<b>Form factor</b>	Single-wide (30 mm)
<b>Processor</b> (max)	Choice of two Intel Xeon 5600 series processors, up to 3.06 GHz
<b>Number of processors</b> (std/max)	1/2
<b>Memory</b> (max)	Twelve DDR-3 VLP DIMM slots (up to 96 GB of total memory capacity and memory speeds up to 1333 MHz)
<b>Expansion slots</b>	1 CIOv slot (standard PCIe daughter card) and 1 CFFh slot (high-speed PCIe daughter card) for a total of 8 ports of I/O to each blade, including 4 ports of high-speed I/O
<b>Disk bays</b> (total/hot-swap)	2 hot-swap bays supporting SAS HDDs or solid-state drives
<b>Maximum internal storage</b>	Up to 1.0 TB total internal storage
<b>Network interface</b>	Broadcom 5709S onboard NIC with dual Gigabit Ethernet ports with TOE
<b>Hot-swap components</b>	Internal storage bays
<b>RAID support</b>	RAID-0, -1 and -1E (optional RAID-5 with battery-backed cache)
<b>Systems management</b>	Unified Extensible Firmware Interface (UEFI), IBM Integrated Management Module (IMM), Predictive Failure Analysis, optional embedded hypervisor for virtualization, IBM Systems Director Active Energy Manager™, light path diagnostics, IBM Systems Director and IBM ServerGuide™
<b>Operating systems supported</b>	Microsoft® Windows®, Linux®, Sun Solaris and VMware
<b>Limited warranty</b>	3-year customer replaceable unit and onsite and offsite limited warranty

## For more information

### World Wide Web

U.S. [ibm.com/bladecenter](http://ibm.com/bladecenter)

Canada [ibm.com/systems/ca/en/servers/bladecenter/](http://ibm.com/systems/ca/en/servers/bladecenter/)