IBM BladeCenter HS22V

High-performance blade server optimized for virtualization and energy efficiency

Highlights

- Outstanding performance for virtualization with maximum memory capacity and CPU performance

- Improve service with unparalleled RAS features and innovative management

- Manage growth and reduce risk on a BladeCenter® platform with proven stability

Optimized for virtualization

The IBM BladeCenter HS22V has been designed specifically for use in virtualized environments. With 18 DIMM slots supporting up to 288 GB of DDR3 memory, the HS22V allows you to fit more and larger virtual machines per blade. Durable solid-state drives and hardware RAID-0 and -1 provide outstanding reliability when virtualizing multiple workloads on a single blade. An embedded hypervisor enables easy deployment of industry-leading third-party virtualization solutions. Combine the HS22V with Virtual Fabric for IBM BladeCenter for a flexible, easy, fast and reliable I/O solution that helps reduce cost and complexity.
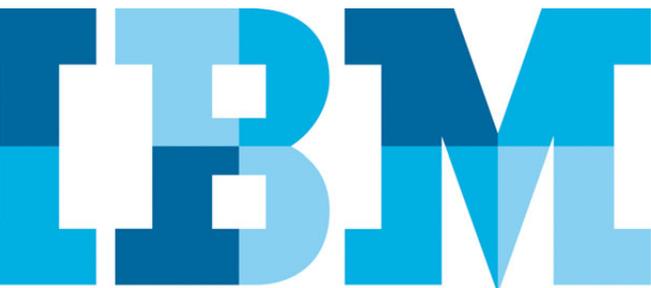
Built for performance

The HS22V provides outstanding performance with support for the latest Intel® Xeon® processors, support for maximum memory capacity, fast memory throughput and high-speed I/O.

Designed for energy efficiency

The HS22V offers a flexible, energy-smart design. The HS22V supports up to two 1.8" solid-state drives that consume significantly less power than traditional spinning hard disk drives. New enhanced power management capabilities assist in power planning for the data center while IBM Systems Director Active Energy Manager™ provides tracking, monitoring and measuring of energy usage.

Select configurations of the HS22V 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.

IBM BladeCenter HS22V at a glance

Form factor/height	Single-wide (30 mm)
Processor (max)	Choice of two Intel Xeon 5500 or 5600 series processors, supports advanced, standard, basic and low voltage
Number of processors (std/max)	1/2
Cache (max)	At least 4 MB L3 cache (12 MB max)
Memory (max)	18 DDR-3 VLP DIMM slots (up to 288 GB of total memory capacity and memory speeds up to 1333 MHz) with memory sparing
Expansion slots	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 or 8 ports of virtual I/O using Virtual Fabric for IBM BladeCenter
Disk bays (total/hot-swap)	Up to two 1.8" solid-state drives (fixed)
Maximum internal storage	Up to 100 GB
Network interface	Virtual Fabric Adapter ships integrated in some models Broadcom 5709S onboard NIC with dual Gigabit Ethernet ports with TOE
RAID support	RAID-0, -1 and -1E (optional RAID-5 with battery-backed cache)
Systems management	Unified Extensible Firmware Interface (UEFI), IBM Integrated Management Module, Predictive Failure Analysis, optional embedded hypervisor for virtualization, IBM Systems Director Active Energy Manager, light path diagnostics, IBM Systems Director and IBM ServerGuide
Operating systems supported	Microsoft® Windows®, Red Hat Enterprise Linux®, SUSE Linux Enterprise, VMware, Oracle Solaris
Limited warranty	3-year customer replaceable unit and on-site limited warranty

For more information

World Wide Web

U.S. **ibm.com**/bladecenter

Canada **ibm.com**/systems/can/en/servers/bladecenter

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