



HP ProLiant BL495c Virtualization Blade

Overview

The HP ProLiant BL495c virtualization blade is the world's first server blade designed specifically to host virtual machines. The BL495c is the ideal platform for virtualized environments that require significant memory, data storage and network connections to optimize server performance.

The BL495c eliminates performance bottlenecks by accelerating virtual server speed with twice the memory capacity, solid state drives that use significantly less power, and up to two more Ethernet network connections than competitive offerings.⁽¹⁾ Based on the typical configuration of 4 gigabytes (GB) per virtual machine (VM), the BL495c can support a minimum of 32 VMs. Customers filling an HP BladeSystem c7000 enclosure with 16 BL495c server blades can utilize up to 512 VMs versus 256 and 112 from the closest competitors.⁽²⁾

"Customers looking to maximize the performance of their virtualized infrastructure have the answer with the BL495c. It was architected and optimized specifically for virtual machines," said Mark Potter, vice president, HP BladeSystem. "With its memory, storage and I/O capabilities, the BL495c is unmatched in the industry and redefines server blades for virtualization."

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Save data center space

Through the flexibility it offers in storage, I/O and memory, the BL495c helps customers free up data center rack space by eliminating the need for two-processor servers earmarked to host virtual machines. In addition, by combining the 495c with HP's Virtual Connect networking technology, customers can quickly expand network connections along with storage capacity, reducing storage area network connection costs up to 65 percent.

Features and specifications

The BL495c accelerates the implementation and maximizes the performance of virtualized servers. Key components include:

- Sixteen memory slots for up to 128 GB capacity – two times more than the Dell M605 and IBM's LS21.
- Supports ultra-fast and reliable solid state drives that use less than two watts of power – the first HP blade to do so.
- Expands to terabytes of disk capacity per server quickly with more storage options than typical blade servers.
- Built-in iVirtualization for Citrix XenServer and VMware ESXi simplifies tedious

set-up tasks for easier creation of virtual servers. The BL495c also supports Microsoft Windows® Server 2008 Hyper-V.

- Faster memory and network access via Dual AMD Hypertransport™ links – the only blade on the market with this feature.

Full specifications for the HP ProLiant BL495c server blade are available at www.hp.com/go/bladesystem.

Availability and pricing

The HP ProLiant BL495c virtualization blade server will be available Sept. 15.

Pricing starts at \$2,449.⁽³⁾

⁽¹⁾ HP ProLiant BL495c virtualization blade includes 16 dual in-line memory module (DIMM) slots, which support 8 GbB DIMMs. IBM L21 and Dell M605 include 8 DIMM slots, supporting 8Gb DIMMs. IBM LS21 includes 8 DIMM slots, supporting 4 Gb DIMMs. IBM HS21 includes 4 DIMM slots, supporting 4 Gb DIMMs.

⁽²⁾ Compared to Dell PowerEdge M605 and IBM BladeCenter LS21.

⁽³⁾ Estimated U.S. street price. Actual price may vary.

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