

Dedicated power for client virtualization



HP BladeSystem bc2200 and 2800 Blade PCs

Cost-effectively
offer the power of
a full PC in a data
center-based
computing
environment with a
blade PC

Get dedicated PC power with all the benefits of client virtualization. Part of the HP Client Virtualization suite, HP Blade PCs deliver the productivity and scalability of a dedicated PC, plus the security, manageability, and lower costs of server-based computing.

New and improved

- Next-generation AMD processors provide higher levels of performance to meet the requirements of increasingly powerful applications
- Memory up to 8 GB¹ supports 64-bit Windows Vista® Business and Linux®
- Faster 80 GB² drives increase overall productivity and reduce the time to access and write data

Dedicated PC user experience

Provide a fully dedicated CPU, memory, and hard drive for a consistent user experience:

- Helps ensure that workers maintain full productivity despite varying workloads
- Supports a range of software solutions to meet virtualization solutions now and in the future
- Works with most client devices to provide dedicated computing power

Improved security

Securely centralize data in the data center, reducing the risk of loss or theft that can happen with data distributed on desktop and notebook PCs.

Manageability

Give your IT administrators complete control of desktop users, including:

- Quick and remote configuration and allocation of new blade PCs
- Control of hardware and software configurations
- Rapid restart
- Resource management with a broad range of HP tools

Flexibility and scalability

Easily scale your solution to suit your users' specific needs:

- Allocate blades to users or groups, or combine with other hardware as part of a total virtualization approach
- Meet variable performance needs with predictable power increments and cost per additional client

Mobility

Create a virtual client solution that follows your users around the world and supports their flexibility to work whenever and wherever convenient—in the building, a home office, or across the globe.

Designed with the environment in mind

Give your professionals dedicated PC performance with a system that draws as little as 25W in the data center. New 90% efficient power supplies help you maximize your energy dollar.

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Model	HP BladeSystem bc2200 Blade PC	HP BladeSystem bc2800 Blade PC
Processor ^{3,4}	AMD Athlon™ 64 2200+ single core	AMD Turion™ X2 TL-66 dual-core
Operating systems ⁵	Preinstalled: Windows Vista® Business 32-bit FreeDOS Supported: Windows Vista® Enterprise 32-bit Windows Vista® Business 64-bit Windows Vista® Enterprise 64-bit Microsoft® Windows® XP Professional SP3 Certified: Red Hat Enterprise Linux version RHEL5.1 for 32-bit and 64-bit, Novell SuSE Linux Enterprise Server 10 SP2 for 32-bit and 64-bit	
Cache memory	512K L2	1 MB L2 (512 K L2 per core)
Chipset	ATI Radeon™ Xpress 1270 with integrated DirectX 9 compliant graphics	
Memory ¹	2 GB DDR2 SDRAM PC2 6400 (800-MHz) expandable to 8 GB (2 SODIMM slots)	4 GB DDR2 SDRAM PC2 6400 (800-MHz) expandable to 8 GB (2 SODIMM slots)
Network Controller	Two Broadcom 5906M 10/100 Integrated Network Controllers; NIC A is compliant with PXE	
Internal storage ²	One 80 GB Serial ATA 7200 rpm hard drive	
Industry standard compliance	ACPI 1.0b; ANSI C63.4 - 1992; C.I.S.P.R. Pub 22; CFR 47, Part 15; EN 55022; EN 55024; EN 60950: 2000; ICES-003; IEC 61000-4, Section 2-6, 8, 11; IEC 801, Part 2; IPC-A-610; PC2 5300; PCI 2.3; PXE 2.1; SPD 1.2B; UL 94; UL 796; USB 2.0. RoHS/WEEE compliant	
Manageability	HP Session Allocation Manager (SAM) (sold separately) HP Systems Insight Manager (SIM) HP Rapid Deployment Pack (RDP) HP BladeSystem PC Blade Switch Integrated Administrator (IA) ROM Based Setup Utility (RBSU) Automatic System Recovery (ASR) System Software Manager (SSM) DOS-based replicated setup utility (REPSET) Unit ID LED for blade PCs and enclosure	
High availability	HP Session Allocation Manager (SAM) with auto roll over feature (sold separately) Robust boot block recovery ROM	
Security	Administrator's password, NX Security Support	
Form factor	Plugs vertically into HP BladeSystem PC Blade Enclosure	
Limited warranty	Limited three-year parts warranty with Advanced Unit Exchange for express permanent replacement of a Blade PC.	

1. Maximum memory capacities assume 64-bit operating systems. Microsoft® Windows® XP (32-bit) supports 4 GB (with Microsoft 32-bit, the amount of usable memory will be dependent upon your system configuration. It may be less than 4 GB); 32-bit Linux can support up to 8 GB. 2. For hard drives, GB = 1 billion bytes. Actual formatted capacity is less. Up to 8 GB (for XP) and up to 12 GB (for Vista) is reserved for system recovery software. 3. This system requires a separately purchased 64-bit operating system and 64-bit software products to take advantage of the 64-bit processing capabilities of AMD technology. Dual-core processing available with AMD technology is designed to improve performance of this system. Given the wide range of software applications available, performance of a system including a 64-bit operating system and a dual-core processor will vary. 4. AMD's numbering is not a measurement of clock speed. 5. Certain Windows Vista product features require advanced or additional hardware. See www.microsoft.com/windowsvista/getready/hardwarereqs.mspx and www.microsoft.com/windowsvista/getready/capable.mspx for details. Windows Vista Upgrade Advisor can help you determine which features of Windows Vista will run on your computer. To download the tool, visit www.windowsvista.com/upgradeadvisor.

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