

SmartStart 8.00 New Product Support

New Server Products

Server Models	Description
» HP ProLiant BL2x220c G5 Server	The new HP ProLiant BL2x220c G5 Server Blade is ideal for customers who are interested in high density computing. With up to 32 server nodes per enclosure, each capable of supporting 2 Quad-Core CPUs and up to 16GB of RAM, the BL2x220c scales to provide up to 1024 cores and 2TB of RAM per 42U rack.
» HP ProLiant BL260c G5 Server	Like all HP BladeSystem components, the new HP BL260c offers greater energy efficiency and features than IBM's HS21 server. The two processor, multi-core BL260c combines energy efficient compute power, high density with sufficient memory and I/O for the full range of small, mid market or remote site applications. The new balanced architecture supports Intel's newest Xeon 5400 and 5200 sequence processors. And as a bonus, the BL260c also offers support for Intel's affordable Xeon uP processors.
» HP ProLiant BL465c G5 Server	HP offers powerful, reliable server blades with the same trusted features as award-winning HP rack and tower servers. With features equal to standard 1U rack mount servers, the two-processor BL465c G5 combines energy efficient compute power and high density with expanded memory and I/O for maximum performance. A balanced architecture featuring Quad-Core AMD Opteron™ processors with DDR2 memory, Serial Attached SCSI (SAS) or Serial ATA (SATA) hard-drives, support for Multifunction Gigabit networking and multiple I/O cards provides a performance system ideal for a full range of scale out applications. In this small form factor, the BL465c G5 includes features to ensure high availability such as hot-plug hard drives, memory interleaving, embedded RAID capability, and enhanced remote Lights-Out management.
» HP ProLiant BL685c G5 Server	The HP ProLiant BL685c G5 server blade, delivers no-compromise performance and expansion in the densest four-processor server blade form factor available. With up to four Quad-Core AMD Opteron™ processors, 64GB of DDR2 memory, two hot-plug Serial Attached SCSI (SAS) or Serial ATA (SATA) hard-drives, four embedded Gigabit NICs, and three I/O expansion slots, the HP ProLiant BL685c delivers the density you want with the performance you need to handle the most demanding enterprise class applications.
» HP ProLiant DL365 G5 Server	Combining concentrated 1U compute power, Integrated Lights-Out management, and essential fault tolerance, the DL365 G5 is optimized for space constrained installations. Quad-Core AMD Opteron processors, DDR2 memory, Serial Attached SCSI (SAS) and PCI Express technology provide a high performance system ideal for the full range of scale out applications. What's more, the DL365 G5 provides all this in an ultra dense platform with

redundant power, redundant fans, and embedded RAID capability.

- » HP ProLiant DL385 G5 Server The new ProLiant DL385 G5 delivers on the DL385 performance and the DL380's history of design excellence with enterprise-class uptime and manageability, and now with Quad-Core AMD Opteron performance, power efficiency, and 2U density for a variety of rack deployments and applications.
- » HP ProLiant DL585 G5 Server The HP ProLiant DL585 G5 is a highly manageable rack optimized four socket server designed for maximum performance in an industry standard architecture. With up to four quad-core AMD Opteron processors and a large memory footprint, the DL585 G5 delivers the performance and performance-per-watt needed for compute-hungry database, virtualization, and consolidation applications. Its industry leading remote management functions help reduce your costs and improve your ability to respond quickly to business changes.
- » HP ProLiant DL785 G5 Server The new HP ProLiant DL785 G5 is an ideal choice for the growing enterprise class database, consolidation and virtualization environments seeking to improve server utilization and reduce server sprawl. The DL785 G5 is an 8-socket x86 server, supporting up to 8 Quad-Core AMD Opteronprocessors, 256GB of memory and 11 PCI-e I/O slots. It also leverages all of the familiar and easy to use ProLiant management tools and options.

New Product Options

Option	Description
» HP NC510F PCI 10 Gigabit Server Adapter	Meeting the needs of the next generation datacenter, the multifunction NC510F and its copper-based counterpart NC510C are the first HP 10 Gigabit Ethernet adapters for ProLiant servers. 10,000 Mbps bandwidth combined with multifunction capabilities provide the ideal combination ideal for a host of demanding applications
»HP NC510c PCIe 10 Gigabit Server Adapter	Meeting the needs of the next generation datacenter, the multifunction NC510C and its fiber-based counterpart NC510F are the first HP 10 Gigabit Ethernet adapters for ProLiant servers. 10,000 Mbps bandwidth combined with multifunction capabilities provide the ideal combination ideal for a host of demanding applications. Some of these applications include high performance computing, database clusters, network attached storage, storage backups, Grid systems, virtualization, server, I/O, and fabric consolidation
» HP NC512m Dual Port 10GbE Multifunction	The HP NC512m is a dual port 10 Gigabit Ethernet adapter for ProLiant c-Class BladeSystem. The multifunction capability permits a unified fabric combining accelerated LAN, SAN, and clustering. In conjunction with the HP

BL-c Server Adapter 10Gb Ethernet BL-c Switch, the complete solution provides 10Gb Ethernet connectivity all the way to the server.

New Operating System Support

Operating System

- » Red Hat Enterprise Linux 5.1 (x86 and AMD64/EM64T)
- » Red Hat Enterprise Linux 4.6 (x86 and AMD64/EM64T)
- » SUSE Linux Enterprise Server 9 SP4 (x86 and AMD64/64T)
- » Microsoft Windows Server 2008 W32
- » Microsoft Windows Server 2008 x64

New Drivers and Utilities

- » New Drivers for Windows® PSPs
 - Headless Server Registry Update for Windows
 - HP Insight Management WBEM Providers for Window Server™ 2003/2008
 - HP Insight Management WBEM Providers for Windows Server™ 2003/2008 x64 Editions P StorageWorks Tape Drivers for Windows
- » New Drivers for Linux PSPs
 - HP NC-Series NetXen Driver for Linux
 - HP Linux Socket Acceleration
 - HP Insight Diagnostics Online Edition for Linux is now supported in 64bit environments

Updated Drivers and Support Software

Software

Version

- | | |
|---|------------------------|
| » ProLiant Support Pack for Microsoft Windows Server 2003 x64 Editions | » 8.00 |
| » ProLiant Support Pack for Microsoft Windows Server 2003 | » 8.00 |
| » ProLiant Support Pack for Microsoft Windows Server 2003 R2 Data Center Edition x86/64 | » 8.00 |
| » ProLiant Support Pack for Microsoft Windows Server 2008 W32 | » 8.00 |
| » ProLiant Support Pack for Microsoft Windows Server 2008 x64 | » 8.00 |
| » ProLiant Support Pack for Red Hat Enterprise Linux 4 | » 8.00 |

- » [ProLiant Support Pack for Red Hat Enterprise Linux 5](#) » [8.00](#)
- » [ProLiant Support Pack for SUSE LINUX Enterprise Server 9](#) » [8.00](#)
- » [ProLiant Support Pack for SUSE LINUX Enterprise Server 10](#) » [8.00](#)

ProLiant Server Product ROM Families

» [ROM Upgrade Utility Components](#)

Smart Components for ROM Flash provide a simple, cost effective way to remotely upgrade server and option firmware. These new components allow customers to perform system and Option ROM updates from a remote system with no physical presence at the server.

» [System ROM Family Table](#)

This link provides the BIOS/firmware family code for your system. Visit this link if you have systems that require a BIOS/firmware update.

» [Select the ProLiant System ROM Family and Version for your system.](#)

This link provides information to help you correctly identify your system ROM. From here you can select the correct ROMPaq software to upgrade your system successfully.

SmartStart 8.00 Customer Advisory List and Release Notes

- » [Known Important Product Issues on SmartStart](#)
- » [SmartStart 8.00 Release Notes](#)