HPE ProLiant BL465c G6 Server Blade - Overview

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Product description



HPE 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 G6 combines energy efficient compute power and high density with expanded memory and I/O for maximum performance.

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Product features

Features	Description
Processor	**Six-Core processors**[1] • AMD Opteron processor Model 2435 (2.6 GHz, 6MB L3 Cache, 75 W ACP) • AMD Opteron processor Model 2427 (2.2 GHz, 6MB L3 Cache, 75 W ACP) • Low power AMD Opteron processor model 2425 HE (2.1 GHz, 6MB L3 Cache 55 W ACP)
Upgradeability	Upgradeable to dual (2) processors
Cache memory	• 512KB Level 2 cache memory per core • 6MB Level 3 cache memory
Chipset	ServerWorks HT-1000 and HT-2100
Memory[2]	**Type**: • PC2-5300 DDR2 Registered Dual In-line Memory Module (DIMM) at 667 MHz • PC2-6400 DDR2 Registered DIMMs at 800 MHz

Features	Description		
	Standard	2GB (2 x 1GB)	
	Maximum	• 64GB (8 x 8GB) at 667 MHz • 32GB (8 x 4GB) at 800 MHz	
Network controller[3]	• Two (2) embedded NC370i Multifunction gigabit ethernet server adapters with TCP/IP offload engine, iSCSI boot, and optional accelerated iSCSI. • One (1) additional 10/100 network adapter dedicated to iLO 2 management.		
I/O expansion slots	Two I/O expansion mezzanine slots (One x8 and one x4 PCI express)		
Integrated manageability	ProLiant onboard administrator (Powered by the Integrated Lights-Out (iLO) 2 management processor)		
Storage controller	**Smart Array E200i controller**	• 64MB memory module supports RAID 0,1 • Available upgrades: 128MB with Battery Backed Write Cache (BBWC)	
Maximum internal storage	**Hot plug SAS**	600GB SAS	2 x 300GB serial SCSI
	Hot plug SATA	500GB SATA	2 x 250GB serial ATA
Graphics	Integrated ATI RN-50 1280 x 1024 x 16M color (32MB DDR1 memory)		
Graphics resolution supported	**Resolution color depths**	• 1280 x 1024, 16.7M, 64k, 256, 16 • 1024 x 768, 16.7M, 64k, 256, 16 • 800 x 600, 16,7M, 64k, 256, 16 • 640 x 480, 16,7M, 64k, 256, 16	
Availability	• Dual-Port fibre channel mezzanine card for redundant SAN connection. • Two embedded gigabit ethernet adapters for redundant LAN connections. • Two hot-plug SAS/SATA hard drive bays and integrated RAID (Smart array E200i) controller on every server blade (BBWC is optional). • Redundant ROM on each server blade • Multiple mezzanine I/O expansion. • ECC Memory.		

Features	Description
	• Network adapter teaming (Network fault tolerance, transmit load balancing, switch-assisted load balancing).
Industry standard compliance	• ACPI 2.0 compliant • PCI 2.2 compliant • WOL support • Microsoft logo certifications • USB 2.0 support
Security	• Power-on password • Administrator's password • iLO 2 has 12 customizable user accounts and SSL encryption • iLO 2 can be disabled via a global setting
NOTE: **1**. AMD Opteron 2400 series processors are 64-bit, six-core, and support AMD virtualization. Processor wattage references reflect Average CPU Power (ACP). Click here for more information on ACP . **2.** Memory must be installed in pairs. **3.** The Gigabit ethernet adapters transmit from the server only at 2000 Mb/s, full duplex per port. However, within a Linux environment, the speed can be reduced or "throttled" using a feature available within the Linux operating system.	

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Software overview

Features	Description
HPE Insight Control suite (ICE)[1]	ICE installs and licenses the following components by default using a wizard-based integrated installer: • HPE Systems Insight Manager (SIM) • HPE iLO advanced for BladeSystem or iLO advanced • HPE Insight Power Manager (IPM) software • HPE Insight rapid deployment software • HPE Insight performance manager module • HPE Insight vulnerability and patch manager module • HPE Insight virtual machine manager software for ProLiant

Features	Description
Server management stand alone software products	• HPE SIM • HPE Insight rapid deployment software • HPE Insight performance manager module • HPE Insight dynamics - VSE suite for ProLiant • HPE Insight server migration software for ProLiant • HPE Insight virtual machine manager software for ProLiant • HPE Insight vulnerability and patch manager module • iLO Advanced for BladeSystem • HPE IPM software
Core infrastructure management	• HPE ProLiant essentials foundation pack • Insight management providers (WBEM) • Insight management agents (SNMP) • Subscriber's choice • ProLiant support packs and ROMPaq, software

HPE Serviceguard for Linux (SGLX)	The following is a quick summary of HPE Serviceguard for Linux features and support:
	• Supported virtual machines
	  ◦ SG/LX in HP Integrity virtual machines guests
	  ◦ SG/LX in VMware ESX guests
	  ◦ SG/LX in Red Hat and SUSE Xen hosts (DOM0)
	• Application integration toolkits
	  ◦ HP Serviceguard for Linux Oracle database toolkit
	  ◦ HP Serviceguard extension for SAP on Linux (SGeSAP/LX)
	  ◦ Free application integration toolkits:
	  ▪ Apache
	  ▪ MySQL
	  ▪ NFS
	  ▪ PostgreSQL
	  ▪ Samba

Features	Description
	▪ Tomcat ▪ Sendmail • Disaster tolerant solutions ◦ HP Serviceguard for Linux Extended Distance Cluster (XDC) extends cluster distances up to 100 km, utilizes software RAID mirroring for data replication and is storage array independent. ◦ HP StorageWorks XP/EVA Cluster Extension Software for Linux (CLX) works seamlessly with HP Serviceguard for Linux, HP StorageWorks continuous access, and HP Disk arrays to automate failover and failback between sites. • Software updates are distributed by HP Services to users with support contracts.
HP ProLiant onboard administrator	Capabilities of the HP ProLiant onboard administrator embedded in ProLiant BL servers include, but are not limited to the following: • ROM-based Setup Utility (RBSU) and Option Rom Configuration for Arrays (ORCA) • IML and iLO event logging • Automatic Server Recovery (ASR) • OS independent hardware health status • Present server power consumption • Virtual unit ID control • Virtual KVM based remote console • Virtual media (Single server, browser based access only) • Remote serial console • Virtual power button control • Dynamic sector repairing (With Smart array controller) • Drive parameter tracking (With Smart array controller) • Integrated remote console (ActiveX control client) • Single Sign-on from BladeSystem onboard administrator
HPE Insight control suite for Linux (ICE-LX) management software	HPE ICE for Linux licenses the following capabilities and includes an integrated installer for core functionality: • HPE SIM • HPE iLO 2 Advanced • HPE Rapid scalable deployment module (Integrated)

Features	Description
	• HPE Total control monitoring module (Integrated) • HPE Virtual machine manager software • HPE IPM software
Operating systems and virtualization software	• Red Hat Enterprise Linux (RHEL) • SUSE Linux Enterprise Server (SLES) • Oracle Enterprise Linux (OEL) • Solaris 10 for x86/x64 based Systems • VMware • Citrix XenServer
NOTE: iLO Advanced license will be enabled when ICE is purchased as standalone software.	

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Link to product specification

Click here to view the specifications page for HPE ProLiant BL465c G6 Server Blade .

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Link to warranty information

Click here to check the warranty status .

Click here for detailed information regarding worldwide limited warranty and technical support .

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Link to QuickSpecs

Information for this Overview is taken from the product QuickSpecs. To access the complete QuickSpecs for this product, select the desired link from the following list:

- Click here to access the HPE ProLiant BL465c G6 Server Blade Worldwide QuickSpecs in .html format .
- Click here to access the HPE ProLiant BL465c G6 Server Blade Worldwide QuickSpecs in .pdf format .

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Link to product related documents

Click here to view the list of product related documents .

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