

Industrial IT Certification

CERTIFICATE

Certificate Id: 2PAA114595_HP_ProLiant_BL460c_Gen9

Category:	Servers and Workstation
Product Name:	Hewlett Packard BL460c Gen9
Software Version:	N/A
Chipset Version:	Intel® C610 Series Chipset
Vendor:	Hewlett Packard
Certification Test Report:	3BSE084118
Certification reference:	System 800xA Version 6.0 64bit
Restrictions:	As the BL460c Gen9 only have 1/10/20Gb network connections it must be connected through a network backbone with at least 1Gb capability

The certificate states that the product specified above has passed the test towards the specified integration category. The certification has been performed by an official certification center, approved by the official steering body for the Industrial IT Certification.

The basis for the certificate is documented according to the Industrial IT Certification – Document Number 3BSE037356. The certificate is valid for the above mentioned Product versions until the next major release of the certified product or the certification reference system. With a major release of the certified product or the reference system, a new certification is required to keep the certificate current.

ABB AB
721 59 Vasteras, Sweden

Date: 2015-08-10

Representative for the official steering body for the Industrial IT Certification

Jenny Sjödahl

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The BL460c Gen9 Server Blade uses Intel® Xeon® E5-2600 v3 processors with up to 70% performance gain over the previous generation, plus enhanced HP DDR4 SmartMemory offering up to 33% performance increase. Flexible storage controller options additional support includes an optional 12 Gb/s SAS controller, 20 Gb FlexibleLOM NICs, and USB 3.0 on the internal connector.

Certification product details are summarized below:

Product Overview	
Processor	A variety of 4 to 18 cores processors from Intel Xeon E5-2600v3 Processors Family
Memory	Maximum Capacity LRDIMM 1TB (16 x 64GB) up to 2133MHz at 1.2V RDIMM 512GB (16 x 32GB) up to 2133MHz at 1.2V
Chipset	Intel® C610 Series Chipset Intel® E5-2600v3 Processor Family
Hard disc	Wide selection of 2.5-inch HDD
Graphics	Integrated Matrox G200eH
Network	One (1) 20Gb 2-port FlexFabric FLB, 10Gb 2-port HP FlexFabric FLB, or 10Gb 2-port Ethernet FLB. Different additional options available.
Storage DVD-ROM	-
Operating System	Microsoft Windows Server 2012 R2 and Microsoft Windows Server 2008 R2
USB	One (1) internal USB 3.0 connector for USB flash media drive keys

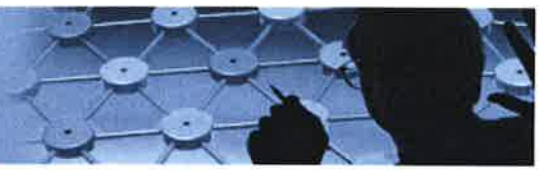
Product Details in tested sample	
Product	HP ProLiant BL460c Gen9
Processor	Intel Xeon 4-core E5-2620v3 2.4 GHz 15 MB cache
Memory	4x 8 GB DDR4 2133 MHz
Hard disc	2x 146GB 15k SAS 2.5 HDD
Graphics	Integrated Matrox G200eH
Network	HP Ethernet 10Gb 2P 560FLB FIO adapter, HP Ethernet 1Gb 4P 366M adapter
Operating System	Microsoft Windows Server 2012 R2 including SP1

Engineering	
Configuration and installation	Intelligent Provisioning

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- The HP ProLiant BL460c Gen9 Server Blade delivers a flexible embedded storage controller options (HP Smart Array P244br, HP H244br Smart Host Bus Adapter, or the HP Dynamic Smart Array B140i Controller) for increased deployment flexibility.
- Every BL460c Gen9 Server Blade includes USB 3.0, future optional dual Micro-SD, and future optional M.2 support for configuration variety of system boot options at the best price.
- Both Unified Extensible Firmware Interface (UEFI) and Legacy BIOS modes available for increased configuration and deployment versatility.

The HP ProLiant BL460c Gen9 supports the 800xA Extended Automation System Value Propositions as noted below:

800xA Value Proposition Mapping	
✓	**Reducing Time to Decision and Action** - Detailed performance information can be retrieved.
✓	**Engineering for Maximum Performance** - High level configuration - Number of options available for different configuration needs
✓	**Reducing Risk through High Integrity Automation** - Reduced risk through reduced number of components - Mechanical form factor improves lifetime
✓	**Optimizing Plant Asset Availability and Performance** - Possible to change components without any mechanical tools
✓	**Investment Enhancement through Evolution** - Continuous developments of components to fit in existing Hewlett Packard product family.

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