

# HPE ProLiant BL460c Gen10 Server Blade



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## What's new

- Six additional Intel® Xeon® Scalable Family Generation 2 processors added for more choice.
  - Intel Xeon - 5220S, 6222V, 6226, 6234, 6238, and 6262V processors

## Overview

Are you looking to scale business performance and securely drive traditional and Hybrid IT workloads across a converged infrastructure? Designed for a wide range of configuration and deployment options, the HPE ProLiant BL460c Gen10 Server Blade provides the flexibility to optimize your core IT applications with right-sized storage for the right workload for a lower TCO. All of this may be managed by HPE OneView, the converged management platform that accelerates IT operations, business delivery and boosts overall performance. The HPE ProLiant BL460c Gen10 Server Blade now offers the Intel® Xeon® Processor Scalable Family with up to 25% [5] bin to bin performance gain over the previous generation, plus 2666 MT/s HPE DDR4 SmartMemory. Additional support includes tiered storage controller options, internal 12 Gb/s

SAS, 20 Gb/s, support for two M.2, NVMe, or up to four UFF drives.

## Features

### Improved Performances to Speed up Your Business Operations

Economics for your infrastructure.

The HPE ProLiant BL460c Gen10 Server Blade drives up to 75% reduction in licensing costs by modernizing your IT infrastructure [1].

Improve your time to value with 64% faster server deployment [2] allowing you to capitalize on business opportunities in an increasingly fast paced environment.

### Accelerate to Increase Business Agility

The HPE ProLiant BL460c Gen10 Server Blade supports industry standard technology leveraging the latest Intel® Xeon® Processor Scalable Family with up to 28 cores, internal 12 Gb SAS and up to 2 TB [3] of HPE DDR4 SmartMemory.

Flexible storage options to quickly enable extended local capacity and cost effective boot disk storage. Up to four drives with UFF, or up to two drives with SFF and NVMe.

The HPE ProLiant BL460c Gen10 Server Blade with Generation 2 Intel Scalable Family of processors delivers unprecedented levels of performance for database and analytic workloads.

### Streamline Operations with Converged Solutions and Management with OneView

Drive up to 40% staff time savings from daily operations [4].

Reduce IT deployment, maintenance time and support costs with software-defined templates to automate new server deployments.

Faster HPE Virtual Connect Enterprise Manager Software in-service Domain migration transitioning from legacy management tools to HPE OneView 3.0 and later when compared to previous versions.

HPE Integrated Lights-out (iLO) 5.0 software features server lifecycle management advancements including iLO Federation, which manages groups of servers at scale with built-in rapid discovery of all iLOs, group configurations, group health status, and ability to determine iLO licenses.

### HPE Security Innovations

Silicon root of trust. Only HPE offers industry standard servers with major firmware (FW) anchored directly into the silicon. Millions of lines of FW code run before server operating system boots.

Firmware Runtime Validation. Daily checking of firmware every 24 hours verifying validity and credibility of UEFI, CPLD, iLO, IE, and ME.

Secure recovery - recovering firmware to known good state after detection of compromised code.

Commercial National Security Algorithms (CNSA). Highest level of security not offered by any other industry server providers.



## Technical specifications

## HPE ProLiant BL460c Gen10 Server Blade

<b>Processor name</b>	Intel® Xeon® Scalable Family of processors - Generation 1 & 2
<b>Processor family</b>	Intel® Xeon® Scalable Family of processors Intel® Xeon® Scalable 8100, 8200 series Intel® Xeon® Scalable 6100, 6200 series Intel® Xeon® Scalable 5100, 5200 series Intel® Xeon® Scalable 4100, 4200 series Intel® Xeon® Scalable 3100, 3200 series (Note: Models 8100, 6100, 5100, 4100 and 3100 are Generation 1 and Models 8200, 6200, 5200, 4200 and 3200 are Generation 2 Intel processors)
<b>Processor speed</b>	1.9 to 3.8 GHz depending on processor selected.
<b>Processor core available</b>	4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24 or 26, per processor, depending on model and generation selected.
<b>Processor cache</b>	From 8.25 to 35.75 MB L3 depending on processor selected
<b>Drive description</b>	2 SFF SAS/SATA/SSD, 2 SFF NVMe SSD or 4 uFF SSDs
<b>Optical drive type</b>	None
<b>Expansion slots</b>	2, for detail descriptions reference the QuickSpecs
<b>Included hard drives</b>	All drives optional
<b>Memory type</b>	HPE DDR4 SmartMemory
<b>Memory slots</b>	16 DIMM slots (8 per socket)
<b>Maximum memory</b>	Up to 2 TB capacities using 128 GB DDR4 DIMMs
<b>Memory protection features</b>	Advanced ECC Memory Mirroring Memory Online Spare Mode (Rank Spare Mode)
<b>Network controller</b>	HPE 10 Gb 536FLB FlexFabric adapter 2-ports per controller or HPE 20 Gb 650FLB FlexFabric adapter 2-ports per controller, depending on model
<b>Storage controller</b>	HPE Smart Array S100i and/or HPE Smart Array P204i-b, depending on model.
<b>Power supply type</b>	Up to 6 per enclosure with N+N or N+1 options
<b>System fan features</b>	Hot-plug enclosure-based
<b>Infrastructure management</b>	HPE iLO Management with Intelligent Provisioning (standard) HPE iLO for BladeSystem, HPE OneView Advanced (optional)
<b>Warranty</b>	3/3/3 Server Warranty includes three years of parts, three years of labor, three years of onsite support coverage. Additional information regarding worldwide limited warranty and technical support is available at: <a href="http://h20564.www2.hp.com/hpsc/wc/public/home">http://h20564.www2.hp.com/hpsc/wc/public/home</a> . Additional Hewlett Packard Enterprise support and service coverage for your product can be purchased locally. For information on availability of service upgrades and the cost for these service upgrades, refer to <a href="http://www.hp.com/services/support">www.hp.com/services/support</a> .

[1] Consolidate and save on Virtualization costs, HPE a0000529ENW.pdf. A Principled Technology report, Upgrading to BL460c Gen9 servers reduces software licensing footprint and support costs by up to 75% yearly. Gen10 servers will deliver further savings

[2] 64% faster server deployment IDC white paper sponsored by HPE, "The Business Value of HPE BladeSystem", Document #28762 © November 2015 IDC

[3] with 128 GB DIMMS available second half of 2017

[4] 40% savings: IDC whitepaper sponsored by HPE, Achieving Organizational Transformation with HPE Converged Infrastructure Solutions for SDDC, January 2014, IDC #246385

[5] up to 25% performance bin-to-bin. HPE and Intel 2017



[For additional technical information, available models and options, please reference the QuickSpecs](#)

## HPE Services

No matter where you are in your transformation journey, you can count on HPE Services to deliver the expertise you need when, where and how you need it. From strategy and planning to deployment, ongoing operations and beyond, our experts can help you realize your digital ambitions.

### Consulting services

Experts can help you map out your path to hybrid cloud and optimize your operations.

### Managed services

HPE runs your IT operations, giving you unified control, so can focus on innovation.

### Operational services

Optimize your entire IT environment and drive innovation. Manage day-to-day IT operational tasks while freeing up valuable time and resources.

- HPE Complete Care Service: a modular service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals. All delivered by an assigned team of HPE experts.
- HPE Tech Care Service: the operational service experience for HPE products. The service provides access to product specific experts, an AI driven digital experience, and general technical guidance to help reduce risk and search for ways to do things better.

### Lifecycle Services

Address your specific IT deployment project needs with tailored project management and deployment services.

### HPE Education Services

Training and certification designed for IT and business professionals across all industries. Create learning paths to expand proficiency in a specific subject. Schedule training in a way that works best for your business with flexible continuous learning options.

[The Defective Media Retention \(DMR\)](#) service feature option applies only to Disk or eligible SSD/Flash Drives replaced by Hewlett Packard Enterprise due to malfunction. [Comprehensive Defective Material Retention \(CDMR\)](#) allows you to keep all data retentive components.

## HPE GreenLake

[HPE GreenLake edge-to-cloud platform](#) is HPE's market-leading as-a-Service offering that brings the cloud experience to apps and data everywhere – data centers, multi-clouds, and edges – with one unified operating model, on premises, fully managed in a pay per use model.

If you are looking for more services, like **IT financing solutions**, please explore them [here](#).

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Parts and Materials: HPE will provide HPE-supported replacement parts and materials required to maintain the covered hardware.

Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

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