

HPE Integrity BL860c i6 Server Blade



What's new

- Supports the latest Intel Itanium 9700 series processor for higher performance.
- Supports the latest HP-UX 2017 Operating Environment Update Release which has enhancements in data management, virtualization, high availability, security and private cloud management.
- Supports the latest HPE Storage XP7 and HPE 3PAR StoreServ All Flash arrays for higher performance and lower TCO.

Overview

Do you need a high-performance enterprise blade server that is designed for database, Java, and technical computing applications?

The HPE Integrity BL860c i6 Server Blade is a two-socket full-height blade featuring the Intel® Itanium® processor 9700 series supported by up to 384 GB memory (24 DIMM slots), with four HPE FlexFabric Converged Network Adapter (CNA) ports standard. The HPE BL860c i6 Server Blade also features the unique HPE Blade Link technology which combines multiple blades to create two, four and eight socket systems providing increased scalability. The HPE Integrity BL860c i6 Server Blade can coexist with HPE ProLiant Server Blades within the HPE BladeSystem c-Class Enclosure.

Ideal replacement for legacy Integrity products like HPE BL860c and HPE BL860c i2 servers.

Features

Improved Platform Value with New Innovations in HP-UX and HPE Storage

Extend mission-critical computing of the HPE Integrity and HP-UX platform with support for the new i6 servers through at least 2025.

Take advantage of recent HP-UX innovations that include - Veritas 6.1 File system support, Online HP-UX vPAR migration, Smart Quorum with Serviceguard and OpenStack® support for efficient data management and high availability.

Decrease IT TCO while boosting I/O workload performance by upgrading to the latest HPE XP7 and HPE 3PAR StoreServ 8000 and 20000 series All Flash storage arrays.

Scales up to Increase Performance

The HPE Integrity BL860c i6 Server Blade includes the HPE Blade Link technology, which enables linear scalability from 2 to 4 to 8-socket server blades to meet your changing business demands.

It supports four embedded HPE Virtual Connect FlexFabric connections for connectivity to both network and storage, which reduces the need for additional I/O mezzanine cards.

It provides 24 dual in-line memory module (DIMM) slots delivering up to 384 GB of DDR3 low-voltage memory with double-chip spare, enabling a large memory footprint for demanding applications with built-in redundancy.

Two disks, with a choice of hot plug Small Form Factor (SFF) serial-attached SCSI (SAS) hard disk drives, or solid state disks (SSD) for increased disk performance.

You can add up to three mezzanine cards to provide support for Fibre Channel over Ethernet (FCoE), SAS RAID, or Fibre Channel.

Improves Reliability and Increases Manageability

The HPE Integrity BL860c i6 Server Blade offers the HP-UX 11i v3 providing a proven operating environment delivering one of the industry's most resilient UNIX® platforms so your mission-critical applications are running safely without compromise.

HP-UX vPars dynamically adjust and share resources, and require very little overhead.

HPE Integrity Virtual Machines, included with the Matrix operating environment (OE), offer the benefits of increased resource utilization and flexibility (shared processor and I/O devices), and rapid deployment.

HPE Integrated Lights-Out 3 (iLO 3) remote management provides built-in core management functions to simplify setup, health monitoring, and remote administration. Every HPE Integrity BL860c i6 Server Blade ships with an HPE Integrity iLO 3 Advanced Pack license pre-installed.

Speed up Mission Critical Applications

The HPE Integrity BL860c i6 Server Blade comes in one or two, 4-core and 8-core, Intel Itanium Processor 9700 Series that provides up to 16 cores of computing power for the most demanding mission-critical enterprise workload requirements.

It includes four embedded HPE FlexFabric 10GbE converged network adapter ports that deliver extensive bandwidth for network-intensive applications.

The high-performance HPE Smart Array Controller for hardware RAID 0 and 1



with read-only 512 MB cache accelerates time to rebuild.

Technical specifications

HPE Integrity BL860c i6 Server Blade

Processor family	Intel® Itanium® 9700 series
Processor speed	2.66 GHz
Number of processors	1 or 2
Processor core available	8 or 4
Processor cache	32 MB L3 24 MB L3 20 MB L3
Form factor (fully configured)	4 (c3000) 8 (c7000)
Expansion slots	3 maximum, for detailed descriptions reference the QuickSpecs
Memory type	DDR3 LRDIMM or RDIMM
Memory slots	24 DIMM slots
Maximum memory	384 GB
Memory protection features	Advanced ECC
Network controller	(2) 10Gb NC553i FlexFabric Adapter 4 Ports per controller Applicable to all models
Storage controller	Smart Array P410i Applicable to all models
Infrastructure management	Integrity iLO 3 with Advanced Pack
Warranty	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: http://www.hpe.com/support/EnterpriseServers-Warranties . Additional Hewlett Packard Enterprise support and service coverage for your product that can be purchased locally. For information on availability of service upgrades and the cost for these service upgrades, refer to the Hewlett Packard Enterprise website at http://www.hpe.com/support .



[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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