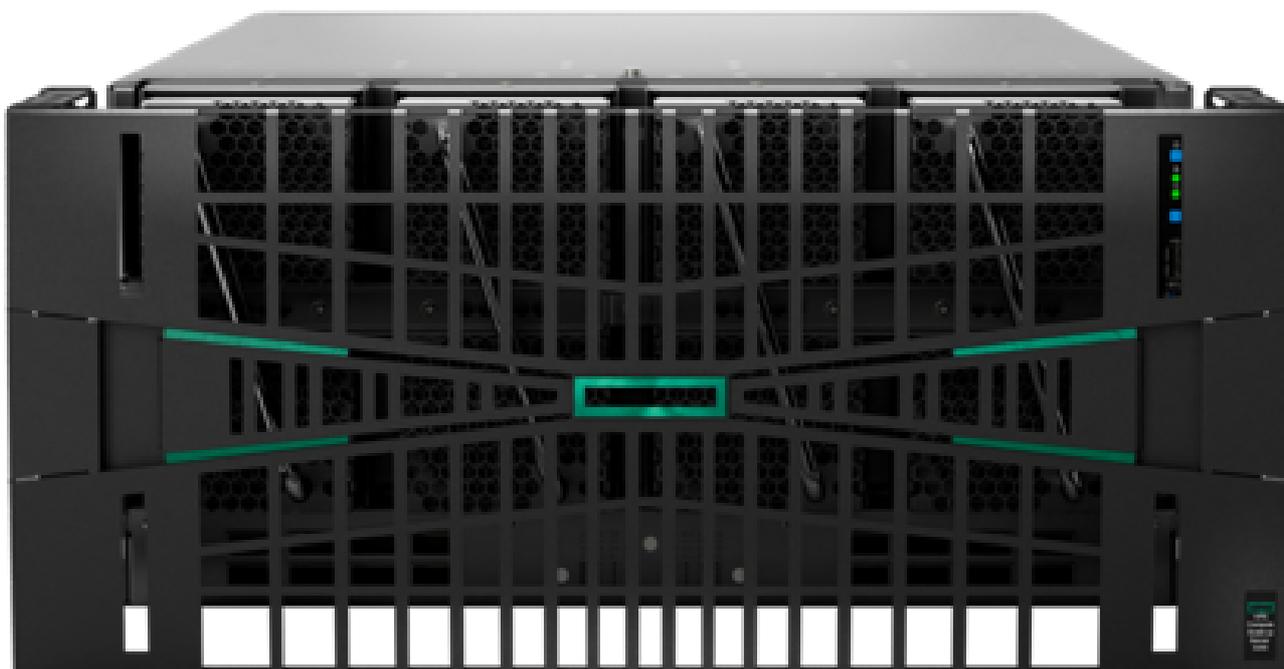


HPE Compute Scale-up Server 3250



What's new

- 4 to 16 processors in a single system, scaling up in 4-socket increments to provide powerful data solutions; supports 256 GB DIMMs.
- Powered by 6th Generation Intel® Xeon® Scalable processors.
- Modular scale-up 5U building block/chassis (four sockets per chassis), built on the proven HPE Superdome Flex architecture.
- 256 GB to 64 TB of shared DDR5 memory, using industry-standard 256 GB DIMMs.
- Six PCIe 5.0 slots per 4-socket chassis; a full scope of HBA, HCA, Fibre Channel cards.

Overview

Do you need high performance, availability, and security for mission-critical workloads?

The HPE Compute Scale-up Server 3250 is a reliably scalable server that starts at four and scales up to 16 powerful 6th Generation Intel® Xeon® Scalable processors in 4-socket increments. Its modular architecture scales cost-efficiently to meet your data growth needs. With four UPI links per platinum processor, it provides higher bandwidth and faster data rates than prior generations. Designed to support 256 GB to 64 TB of shared memory, it is an ideal choice for in-memory and traditional databases. Extreme RAS capabilities including "Firmware First," analysis engine, and auto self-healing enables high reliability for mission critical apps. Superior security, including HPE iLO silicon root of trust, protects your workloads and data against firmware attacks and malware. Optional deployment with GreenLake provides flexible as-a-service consumption while maintaining on-premises control.

- Extreme RAS, superior security, a trusted supply chain, and optional as-a-service consumption with GreenLake.

Features

Outpace Evolving Data Demands with Incredible Flexibility

HPE Compute Scale-up Server 3250 utilizes a proven modular architecture that scales seamlessly from 4 to 16 sockets, in 4-socket increments, in a single system.

Scale-up architecture reduces both server sprawl and complex data reassembly for the target workloads, including SAP HANA®, Oracle®, and Microsoft SQL Server databases. It's also easier to manage than a scale-out deployment.

Meet all your in-memory computing demands with up to 64 TB of shared memory.

Enjoy the flexibility of the cloud while retaining control of your most valuable asset, your data, with deployment through GreenLake.

Process and Analyze Your Ever-Growing Data at Extreme Speed with Groundbreaking Performance at Scale

HPE Compute Scale-up Server 3250 is powered by 6th Generation Intel® Xeon® Scalable processors. With up to 86 cores per processor and built-in accelerators, these processors are designed to boost performance across the fastest-growing workloads, including AI and data analytics.

Eight independent DDR5 memory channels per socket provide slots for up to 64 DIMMs per chassis.

Achieves the performance levels required by critical applications with ultra-low latency and high bandwidth technology.

Leverages innovative in-memory design and extreme shared memory capacity of up to 64 TB in a single platform.

Built-in, redundant internal management network with HPE next-gen iLO ASIC Platform Dependent Hardware Controller (PDHC).

Protect Your Mission-Critical Workloads with Proven End-to-End Reliability and Trusted Security

Delivers excellent service levels on industry standards with extreme and proven RAS capabilities not available on other x86 platforms. Includes quantumresistant support and meets FIPS 1403 Level 3 requirements.

Contains errors at the firmware level, including memory errors, before any interruption can occur at the operating system layer with the HPE "Firmware First" approach.

Reduces human error with a proven predictive fault handling analysis engine, which predicts hardware faults and initiates self-repair without operator assistance.

Lowers threat exposure with a smaller attack surface, a robust security framework, a firewalled management network, and HPE silicon root of trust to mitigate cyber risk, firmware attacks, and malware with end-to-end supply chain security.

Technical specifications	HPE Compute Scale-up Server 3250
Processor type	Intel
Processor family	6th Generation Intel® Xeon® Scalable Processors
Processor cache	48 MB to 336 MB
Processor speed	2.0 to 4.0 GHz
Drive description	EDSFF E3.S NVMe Mainstream or High Performance Drives
Network controller	1G Base-T, 10G/25G SFP28 Network Controller
Maximum memory	64 TB
Memory type	64 GB, 96 GB, 128 GB, or 256 GB DDR5
Memory slots	16 DIMM slots per processor, maximum 256 DIMM slots in a 16-socket system
Expansion slots	6-slots (4 FH, 2 LP), 12-slots (8FH, 4 LP), 16-slots (16 LP)
Power supply type	2400W Titanium options
System fan features	N+N (depending on workload hot-swappable and redundant fans)
Form factor	5U
Optical drive type	DVD-RW
Warranty	3-year parts, 3-year labor, and 3-year on-site limited global warranty

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.

Advisory & Professional 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.

Support 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.
- **HPE Multivendor Services:** Single point of accountability for managing on-site hardware and software support for multivendor products. HPE experts help manage your IT across technologies and platforms for HPE and non-HPE technologies, acting as the single point of contact for your IT operational needs.

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

Defective Media Retention is optional and allows you to retain Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

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](#).

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

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