

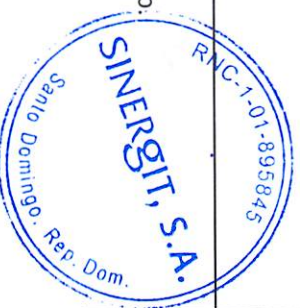
JCE-CCC-LR-2025-0001

FORMULARIO DE ACLARACIONES TECNICA

ÍTEM	CANT	PRODUCTO SOLICITADO	PRODUCTO OFERTADO
		HPE Superdome 3200	R9N70A - HPE Compute Scale-up Server 3200 4-socket XNC Base Chassis
1		Sistema de cómputo de escalabilidad vertical. El equipo debe ocupar máximo 5Rus. El sistema debe ser escalable hasta 16 procesadores dentro del mismo chasis.	1 El equipo ofertado es un sistema de escalabilidad vertical que permite instalar hasta 16 procesadores en un solo chasis. El equipo encaja en 5RU.
2		El sistema debe ser escalable hasta 32TB de RAM. El sistema 2 Nodos con Arquitectura modular y escalable, permitiendo la expansión de procesadores y memoria según demanda.	2 El equipo ofertado soporta hasta 32 TB de RAM por chasis. La solución propuesta incluye 2 nodos con arquitectura modular y escalable, permitiendo expansión de CPU y memoria según demanda.
3		4 procesadores Intel Xeon Platinum 8468H de 2.1GHz por nodo. Debe incluir dos (2) discos de estado sólido (SSD) de al menos 480GB por nodo en configuración RAID 1 para el sistema operativo.	3 Cada nodo incluye 4× Intel Xeon 8468H (2.1 GHz) y 2× SSD de 480 GB en RAID 1 para el sistema operativo, usando controladora compatible.
4		Módulos DDR5 cada uno, sumando un total de 6 TB de memoria RAM por nodo.	4 El equipo ofertado incluye módulos DDR5 de 96 GB, alcanzando 6 TB por nodo.
5		Conectividad de alta velocidad, incluyendo 2 tarjetas 10/25Gb Ethernet con 2 puertos cada una y 2 tarjetas de Fibras para conectividad a la SAN de 2 puertos de 32GB que soporten protocolo NVMe.	5 El equipo ofertado incluye 2× Mellanox 10/25Gb (2 puertos c/u) y 2× HPE SN1610E 32Gb FC (2 puertos c/u), compatibles con protocolo FC-NVMe.



ITEM	CANT	PRODUCTO SOLICITADO	PRODUCTO OFERTADO
1	2	6 Componentes redundantes y tolerantes a fallos, incluyendo fuentes de poder intercambiables en caliente de 2400W.	6 Cada nodo incluye 2x PSU de 2400W hot-plug en configuración redundante. Además se incluyen 2x PDUs trifásicas con múltiples salidas y breakers.
		7 Licencia de administración remota fuera de banda que permita la gestión integral del ciclo de vida del servidor. Monitoreo y solución de problemas a través del RMC (Remote Management Console) y su recolección de inventario.	7 La solución ofertada incluye HPE OneView (con licencia 3 años 24x7) y RMC integrados, que permiten gestión remota fuera de banda, monitoreo, solución de problemas y recolección automatizada de inventario del servidor durante todo su ciclo de vida.
		8 Los dos nodos deben de incorporar funciones avanzadas de seguridad para proteger entornos virtualizados: Secure Boot y Trusted Platform Module (TPM), garantizando que solo software autorizado se ejecute en el sistema.	8 Cada nodo incluye Secure Boot, el cual puede ser configurado a través de la interfaz de usuario del RMC, la línea de comandos del RMC o el gestor de arranque UEFI; además, incluye dos módulos TPM 2.0 integrados, garantizando que solo se ejecute software autorizado en el sistema.
		9 Integración con la solución HPE OneView, así como integración con los servidores actuales de la institución.	9 La solución ofertada incluye HPE OneView, permitiendo integración total con la herramienta y la infraestructura HPE existente.
		10 Deben incluir el Bezel Front Kit compatible.	10 El equipo ofertado incluye Bezel frontal compatible.
		1.1 Garantía: 3 años	1.1 Garantía de 3 años incluida con HPE Tech Care Essential Service, con soporte técnico proactivo 24x7 y reemplazo de partes.
		12 Instalación, puesta en marcha y mantenimiento.	12 Se incluye servicio de instalación, puesta en marcha y mantenimiento.



ÍTEM	CANT	PRODUCTO SOLICITADO		PRODUCTO OFERTADO	
		13	Capacitación técnica al personal en operación y mantenimiento del sistema.	13	La solution ofertada incluye 90 Learn Credits para capacitación formal del personal técnico.
		14	La instalación debe ser por parte de un representante técnico del proveedor, acreditado por el fabricante.	14	Sinergit, como HPE Platinum Partner, cuenta con técnicos certificados con los maximos niveles y amplia experiencia para realizar la instalación del sistema.

ANEXO BOM PROPUESTO Y CERTIFICADOS INGENIEROS



Junta Central Electoral
JCE-CCC-LR-2025-0001

te:
Proyecto:
Solución Propuesta:

Cant	P/N	Descripción
2	ITEM01	HPE Compute Scale-up Server 3200
1	M0S66A	HPE Virtual Rack
1	R9N70A	HPE Compute Scale-up Server 3200 4-socket XNC Base Chassis
4	R9P60A	Intel Xeon-Platinum 8468H 2.1GHz 48-core 330W Processor Kit for HPE Compute Scale-up Server 3200
64	S3L10A	HPE Compute Scale-up Server 3200 96GB (1x96GB) Dual Rank x4 DDR5-4800 Registered Standard Memory Kit
1	R9N87A	HPE Compute Scale-up Server 3200 1U 8SFF Tri-Mode 24G U.3 BC Standard Backplane Kit
2	P40502-H21	HPE 480GB SATA 6G Mixed Use SFF BC Multi Vendor SSD
1	R9N76A	HPE Compute Scale-up Server 3200 PCIe Low Profile 16-slot Bulkhead with 1x 4-slot 2x8/2x16 Riser Kit
1	R9N80A	HPE Compute Scale-up Server 3200 2x8/2x16 4-slot PCIe Tertiary Riser for 2U PCIe 16-slot Bulkhead
1	R9N81A	HPE Compute Scale-up Server 3200 2x8/2x16 4-slot PCIe Secondary Riser for 2U PCIe 16-slot Bulkhead
1	R9N82A	HPE Compute Scale-up Server 3200 2x8/2x16 4-slot PCIe Quaternary Riser for 2U PCIe 16-slot Bulkhead
2	R2J63A	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter
1	R9P58A	HPE SR3258p-16i/e 16-port 8GB Cache Tri-Mode 24G PCIe4 x16 Encrypted Controller
2	P13188-B21	Mellanox MCX512F-ACHT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE
2	R9P00A	HPE Compute Scale-up Server 3200 2x 2400W Platinum Hot Plug Power Supply Kit
2	R9X56A	HPE Compute Scale-up Server 3200 C19 - C20 250V 16Amp Black 0.75m Power Cord
2	R9X75A	HPE Compute Scale-up Server 3200 C19 - C20 250V 16Amp Black 1m Power Cord
1	R4S25A	HPE Compute Scale-up Server 3200/Superdome Flex 8i to 8i SlimSAS 0.32m Straight Cable
1	R9N74A	HPE Compute Scale-up Server 3200 Chassis Bezel
1	R9Y98A	HPE Compute Scale-up Server 3200 Internal UPI Cable Kit
1	R9N70A	HPE Compute Scale-up Server 3200 4-socket XNC Base Chassis
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1	R4S25A	HPE Compute Scale-up Server 3200/Superdome Flex 8i to 8i SlimSAS 0.32m Straight Cable
1	R9N74A	HPE Compute Scale-up Server 3200 Chassis Bezel
1	R9Y98A	HPE Compute Scale-up Server 3200 Internal UPI Cable Kit
2	R9P06A	HPE Compute Scale-up Server 3200 4-socket Scale Activation Kit
2	S0P01A	HPE Basic 3-phase 17.3kVA /60A/200-240V Outlets (6) C19 /6-breaker Vertical NA/JP PDU
8	845398-B21	HPE 25Gb SFP28 SR 100m Transceiver
1	HA114A1	HPE Installation and Startup Service
2	HA114A1 VZX	HPE Scale-up Server 3200 Startup SVC
1	HU4A6A3	HPE 3Y Tech Care Essential Service
2	HU4A6A300DA	HPE SUS 3200 4s Base Chassis Support
2	R4P95AAE	HPE OneView for Superdome Flex 3yr 24x7 Support E-LTU
90	H33XSA1	HPE Learn Credits for Compute IT SVC



Santo Domingo, D. N.
04 de junio del 2025

Señores
Junta Central Electoral

Atención: Comité de Compras.

Referencia: Certificación de Garantía Proceso JCE-CCC-LR-2025-0001

Distinguidos señores:

Quien suscribe, Eric Leschhorn, de nacionalidad dominicana, mayor de edad, titular de la Cédula de Identidad y Electoral 001-0004980-8, domiciliado y residente en esta ciudad, y en su calidad de Vicepresidente Comercial de Sinergit S.A., sociedad de comercio organizada y regida de conformidad con las leyes de la República Dominicana, con su domicilio y asiento social en esta ciudad, en la Calle Polibio Díaz #58, Evaristo Morales, Registro Nacional del Contribuyente No. 1-01-89584-5 por medio nos comprometemos que los equipos a entregar son equipos nuevos y de última generación, así mismo certificamos que SINERGIT es un centro Autorizado de Soporte Técnico de HPE de primer nivel con ingenieros certificados para brindar soporte y mantenimiento 24x7 durante el periodo de garantía de los equipos cotizados para este proceso.

Sin más nada por el momento y reiterándonos a la orden para cualquier inquietud, se despide.

Muy atentamente



Eric Leschhorn
Vicepresidente Comercial



Santo Domingo, D. N.
04 de junio del 2025

Señores
Junta Central Electoral

Atención: Comité de Compras.

Referencia: Certificación de Entrega Proceso JCE-CCC-LR-2025-0001

Distinguidos señores:

Muy cortésmente mediante esta comunicación certificamos que SINERGIT de ser adjudicado para este proceso se compromete a entrega este proyecto en un plazo no mayor a 30 días hábiles a partir de la recepción de la orden de compra.

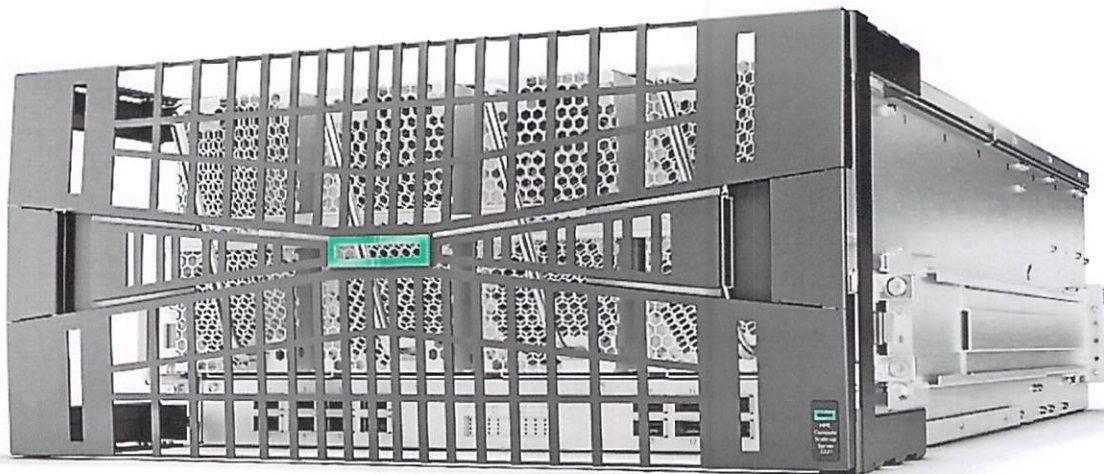
Saludos Cordiales.



Eric Leschhorn
Presidente Comercial

A handwritten signature in blue ink, consisting of stylized, cursive letters.

HPE Compute Scale-up Server 3200



What's new

- 4-16 processors in a single system, scale up in 4-socket increments to provide powerful data solutions.
- Powered with 4th Generation Intel® Xeon® Scalable processors.
- Modular scale-up 5U building block/chassis (4 sockets per chassis), built on the proven HPE Superdome Flex architecture.
- 128 GB - 32 TB of shared DDR5 memory using industry-standard 128 GB DIMMs.
- Choice of 6, 12, or 16 PCIe 5.0 slots per 4-socket chassis. A full scope of HBA, HCA, Fiber channel cards as well as L4/L40S and H100 NVL GPUs.
- Extreme RAS, superior security, and

Overview

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

The HPE Compute Scale-up Server 3200 is a reliably scalable server that starts at 4 and scales up to 16 powerful 4th Generation Intel® Xeon® Scalable processors in 4 socket increments. Its modular architecture scales cost-efficiently to meet your data growth needs. With 40 DIMMs per platinum processor, it provides higher bandwidth and faster data rates than prior generations. Designed to support 128 GB-32 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 HPE GreenLake provides flexible as-a-service consumption while maintaining on-premises control.



optional as-a-service consumption with HPE GreenLake. nPars is also fully supported.

Features

Outpace Evolving Data Demands with Incredible Flexibility

HPE Compute Scale-up Server 3200 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 32 TB of shared memory.

Benefit from unbounded and flexible I/O with three different options depending on your workload requirements (Max GPU, Max I/O, Max drives).

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

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

HPE Compute Scale-up Server 3200 is powered by 4th Gen Intel® Xeon® Scalable processors. With up to 60 cores per processor and built-in accelerators, these processors are designed to boost performance across the fastest-growing workloads, including AI and data analytics.

2X memory bandwidth compared to prior generation. Eight independent DDR5 memory channels per socket provide slots for up to 64 DIMMs per chassis. [1]

Achieve the performance levels required by critical applications with ultra-low latency and high bandwidth technology. Double the effective fabric bandwidth with innovative fabric link design.

Leverage innovative in-memory design and extreme shared memory capacity of up to 32 TB in a single platform.

I/O subsystem based on PCIe5.0 delivers 4x I/O bandwidth compared to prior models.

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

HPE Compute Scale-up Server 3200 is classified as an AL4 system by IDC [2] to provide impressive resiliency.

Delivers excellent service levels on industry standards with extreme and proven RAS capabilities not available on other x86 platforms.

Contain errors at the firmware level, including memory errors, before any interruption can occur at the operating system layer with the Hewlett Packard Enterprise "Firmware First" approach.

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

Decrease threat exposures with a reduced attack surface area backed by a robust security framework, a firewalled management network, and the HPE Silicon Root of Trust to reduce cyber risk and protect against firmware attacks and malware by providing an end-to-end supply chain with enhanced security.



Technical specifications

HPE Compute Scale-up Server 3200

Processor type	Intel
Processor family	4th Generation Intel® Xeon® Scalable Processors
Processor cache	22.5 MB to 112.5 MB
Processor number	Up to 16 processors of 8490H (60-core), 8468H (48-core), 8460H (40-core), 8454H (32-core), 8450H (28-core), 8444H (16-core), or 6434H (8 core)
Processor speed	1.9 - 4.0 GHz
Maximum memory	32 TB
Memory slots	16 DIMM slots per processor, maximum 256 DIMM slots in a 16-socket system
Memory type	32 GB, 64 GB, 96 GB, or 128 GB DDR5
Optical drive type	DVD-RW or DVD-R
Security	2 x TPM, Intrusion Switches, Silicon Root of Trust
Power supply type	2400W Platinum or Titanium options
Expansion slots	4 choices of PCIe expansion per chassis: 0-slots, 6-slots (4FH, 2 LP), 12-slots (8 FH, 4 LP), 16-slots (16 LP)
Network controller	1GbE - 200GbE optional add-in PCIe cards, 1 x OCP slot available
System fan features	N+N (depending on workload hot-swappable and redundant fans
Form factor	5U
Management software	Redfish, CLI, Web-GUI
Warranty	3 year parts, 3 year labor and 3 year on-site limited global warranty

[1] Benchmarking and tests done with equivalent compute products in a controlled environment. HPE Research and Development, Houston, Texas, June 2023

[2] IDC, #US51038023, Mission-Critical Platforms Deliver Continuity in the Shift to a "Digital First" Business, July 2023



For additional technical information, available models and options, please reference the QuickSpecs

Make the right purchase decision.
Contact our presales specialists.

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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](#).

Visit [HPE.com](#)

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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 limit 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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Image may differ from the actual product.
PSN1014774076WWEN, June, 2025.

