



# **HPE 128GB (1X128GB) QUAD RANK X4 DDR4- 2933 CAS-21-21-21 LOAD REDUCED SMART MEMORY KIT (P11040- K21)**

## **Server Memory**

### **OVERVIEW**

Has your server been configured with the memory it needs to perform as its role expands over time?

HPE DDR4 SmartMemory is designed for small to large enterprise customers with a significant need for performance and capacity, along with a desire to manage total cost of ownership. HPE DDR4 SmartMemory enables total server memory optimization, runs at top throughput speed, and is among the most power-efficient memory available. In addition to performance and efficiency, HPE DDR4 SmartMemory also delivers on reliability. Only the highest-quality DRAM modules are selected from top suppliers. Now more than ever, DRAM quality is critical, as data center trends such as server virtualization, cloud computing, and the use of large database applications have increased the need for higher-capacity memory with greater up-time. HPE DDR4 SmartMemory undergoes rigorous qualification and testing processes that unlock memory performance features available only with HPE servers.

## FEATURES

### High Performance

HPE DDR4 3200 MT/s SmartMemory provides improvements in bandwidth in comparison to DDR4 2933 MT/s memory modules.

HPE DDR4 SmartMemory delivers improvements in latency at 3200 MT/s in comparison to DDR4 2933 MT/s memory modules.

### High Reliability

Hewlett Packard Enterprise tests and qualifies HPE DDR4 SmartMemory modules on all HPE server platforms to deliver the highest level of signal integrity.

HPE DDR4 SmartMemory prevents unnecessary DIMM replacement and reduces server downtime with advanced memory error detection technology.

HPE uses the highest quality materials for its DDR4 server memory, reducing issues that may affect signal integrity and increasing system reliability.

HPE provides server memory that performs above industry standards, enabling customers to increase the performance of their servers without having to increase the amount of memory purchased.

## Technical specifications

### HPE 128GB (1x128GB) Quad Rank x4 DDR4-2933 CAS-21-21-21 Load Reduced Smart Memory Kit

<b>Product Number</b>	P11040-K21
<b>DIMM type</b>	LRDIMM
<b>DIMM capacity</b>	128 GB
<b>DIMM rank</b>	Quad Rank
<b>DIMM native speed (MT/s)</b>	2933 MT/s
<b>Voltage</b>	1.2 V
<b>Product Dimensions (metric)</b>	8.89 x 19.05 x 1.91 cm
<b>Weight</b>	0.045 KG



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

## HPE POINTNEXT SERVICES

[HPE Pointnext Services](#) brings together technology and expertise to help you drive your business forward and prepare for whatever is next.

### Operational Services from HPE Pointnext Services

[HPE Pointnext Tech Care](#) provides fast access to product-specific experts, an AI-driven digital experience, and general technical guidance to help enable constant innovation. We have reimagined IT support from the ground up to deliver faster answers and greater value. By continuously searching for better ways to do things—as opposed to just fixing things that break—HPE Pointnext Tech Care helps you focus on achieving your business goals.

[HPE Pointnext Complete Care](#) is a modular, edge-to-cloud IT environment service that provides a holistic approach to optimizing your entire IT environment, and achieving agreed upon IT outcomes and business goals through a personalized and customer-centric experience. All delivered by an assigned team of HPE Pointnext Services experts.

**HPE Integration and Performance Services** help you customize your experience at any stage of your product lifecycle with a menu of services based on individual needs, workloads, and technologies.

- Advise, design, and transform
- Deploy
- Integrate and migrate
- Operate and improve
- Financial Services
- Greenlake Management Services
- Retire and sanitize
- IT Training and personal development

### Other related services

[HPE Education Services](#) delivers a comprehensive range of services to support your people as they expand their skills required for a digital transformation. Consult your HPE Sales Representative or Authorized Channel Partner of choice for any additional questions and support 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](#) is HPE's market-leading IT 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. HPE GreenLake delivers public cloud services and infrastructure for workloads on premises, fully managed in a pay per use model.

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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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