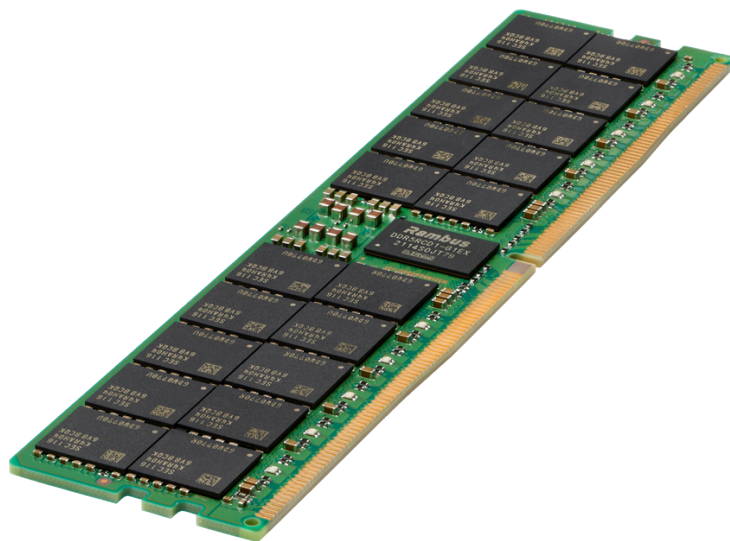


# HPE DDR5 Smart Memory

HPE 256GB (1x256GB) Octal Rank x4 DDR5-4800 CAS-46-39-39 EC8 Registered 3DS Smart Memory Kit (P50314-B21)



## What's new

- HPE 16GB (1x16GB) Single Rank x8 DDR5-6400 CAS-46-45-45 EC8 Registered Smart Memory Kit
- HPE 32GB (1x32GB) Dual Rank x8 DDR5-6400 CAS-46-45-45 EC8 Registered Smart Memory Kit
- HPE 64GB (1x64GB) Dual Rank x4 DDR5-6400 CAS-46-45-45 EC8 Registered Smart Memory Kit
- HPE 96GB (1x96GB) Dual Rank x4 DDR5-6400 CAS-46-45-45 EC8 Registered Smart Memory Kit
- HPE 128GB (1x128GB) Dual Rank x4 DDR5-6400 CAS-46-45-45 EC8

## Overview

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

HPE DDR5 Smart Memory 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 DDR5 Smart Memory 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 DDR5 Smart Memory 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 DDR5 Smart Memory undergoes rigorous qualification and testing processes that unlock memory performance features available only with HPE servers.

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 Registered Smart Memory Kit

## Features

### High Performance

HPE DDR5 Smart Memory 6400MT/s provides improvements in bandwidth in comparison to DDR4 5600MT/s memory modules.

HPE DDR5 Smart Memory delivers improvements in latency at 6400MT/s in comparison to DDR4 5600MT/s memory modules.

### High Reliability

Hewlett Packard Enterprise tests and qualifies HPE DDR5 Smart Memory modules on all HPE server platforms to deliver the highest level of signal integrity.

HPE DDR5 Smart Memory prevents unnecessary DIMM replacement and reduces server downtime with advanced memory error detection technology.

HPE uses the highest quality materials for its DDR5 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 256GB (1x256GB) Octal Rank x4 DDR5-4800 CAS-46-39-39 EC8 Registered 3DS Smart Memory Kit

<b>Product Number</b>	P50314-B21
<b>DIMM type</b>	3DS RDIMM
<b>DIMM capacity</b>	256 GB
<b>DIMM rank</b>	Octal Rank
<b>DIMM native speed</b>	4800 MT/s
<b>Voltage</b>	1.1 V
<b>Platform supported</b>	HPE ProLiant Rack/Tower/BladeSystem Servers/Synergy
<b>Product dimensions</b>	8.89 x 19.05 x 1.91 cm
<b>Weight</b>	0.04 kg



[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

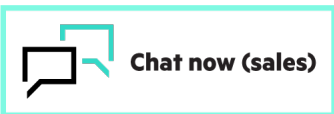
HPE GreenLake edge-to-cloud platform is HPE’s market-leading as-a-Service offering that brings the cloud experience to apps and data everywhere – data centers, multi-clouds, and edges – with one unified operating model, on premises, fully managed in a pay per use model.

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

Explore **HPE GreenLake**

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Contact our presales specialists.

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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.

Image may differ from the actual product [PSN1014691867WWEN](#), November, 2024.