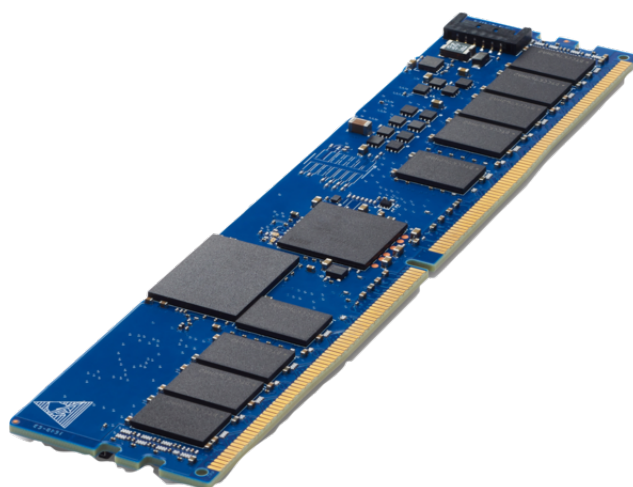




# HPE NVDIMMS

## Persistent Memory



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### WHAT'S NEW

- New HPE 16GB NVDIMM for Gen10 Servers - 50% increase in capacity vs Gen9 Servers [5]
- 25% faster NVDIMMs in Gen10 Servers [6]
- Expanded server platform support with Gen10 Servers

### OVERVIEW

Do you need to increase the performance of your data center database and analytics applications? HPE NVDIMMs are the newest non-volatile memory offering in the HPE Persistent Memory product category. They provide the right-sized capacity for removing smaller storage bottlenecks, reducing latency and increasing processing speeds significantly. HPE NVDIMMs also have the resiliency you have come to expect from storage technology by utilizing higher endurance DRAM and components that help verify data is moved to non-volatile technology in the event of a power loss. Customers can have the assurance that data will be accessible when they need it. This offering provides customers with the best of both worlds, the performance of memory and the persistence of storage, but that's not all. HPE NVDIMMs are not just new hardware

technology, but a complete software ecosystem designed to work with today's applications and workloads, including databases and analytics workloads.

## FEATURES

### Storage at the Speed of Memory

Select HPE Servers equipped with HPE 16GB NVDIMMs increase performance for write intensive workloads delivering up to 2x+ faster database logging performance. [1]

Designed to speed customer applications workloads, delivering up to 4x faster and better CPU Utilization with byte addressable storage. [2]

### Technology Designed to Make Your Business Data Resilient

The HPE 16GB NVDIMM Modules include a flash component for persistence and utilizes the HPE Smart Storage Battery that provides you with a persistent storage capability at memory speeds without the data volatility of memory. [4]

Active data runs on DRAM component of NVDIMM which not only provides outstanding performance but also offers greater endurance than traditional storage media.

### Solutions Designed Around Your Business Workloads

HPE Persistent Memory is designed around industry applications and workloads to deliver the performance of memory with the persistence of storage.

Complete hardware and software ecosystem providing a comprehensive persistent memory solution for your business, delivering up to 50% reduction in core-based software licensing. [3]



**Technical specifications****HPE NVDIMMs**

<b>NVDIMM type</b>	NVDIMM-N
<b>NVDIMM rank</b>	Single Rank
<b>NVDIMM capacity</b>	16GB
<b>DIMM native speed (MT/s)</b>	2666
<b>Non-volatile media</b>	NAND Flash
<b>Backup power source</b>	HPE Smart Storage Battery
<b>Maximum number of NVDIMMs</b>	8GB: 16 (DL360/DL380 Gen9 with E5-2600 v4 processors) 16GB: 12 (Gen10 servers)
<b>Compatible DIMM types</b>	RDIMMs only
<b>Product Dimensions (metric)</b>	8GB NVDIMM: 2.54 cm x .64 cm x 3.12 cm 16GB NVDIMM: 2.54 cm x .64 cm x 3.12 cm
<b>Weight</b>	0.24 kg
<b>Warranty</b>	1-year parts only



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.

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

[1] Internal HPE lab testing on an HPE ProLiant DL380 Gen9 E5 2600 v4 with HPE 8GB NVDIMM-N, December 2015.

[2] Internal HPE lab testing on an HPE ProLiant DL380 Gen9 E5 2600 v4 with HPE 8GB NVDIMM-N, December 2015.

[3] HPE Internal lab testing. Data gathered on pre-release hardware and software, final results may differ, March 31, 2017.

[4] Based on the NVDIMM utilizing NAND Flash as a persistent store and the HPE Smart Storage Battery providing the backup power source to move data from DRAM to NAND Flash.

[5] Comparing 8GB NVDIMM to 16GB NVDIMM equals 2X capacity increase, July 2017.

[6] Comparing 8GB NVDIMM speed of 2133 in Gen9 to 16GB NVDIMM speed of 2666 in Gen10, July 2017.

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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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Image may differ from the actual product  
[PSN1008649009SEEN](#), September, 2022.