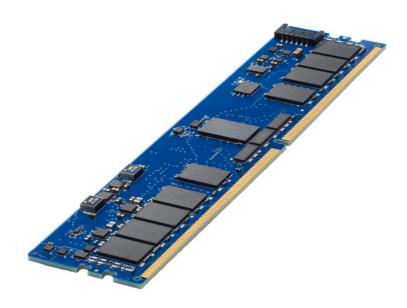**Hewlett Packard Enterprise**

HPE 16GB NVDIMM SINGLE RANK X4 DDR4-2666 MODULE KIT (845264-B21)

Persistent Memory

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 16GB NVDIMM Single Rank x4 DDR4-2666 Module Kit

Product Number (SKU)	845264-B21
NVDIMM type	NVDIMM-N
NVDIMM rank	Single Rank
NVDIMM capacity	16 GB
DIMM native speed (MT/s)	2666
Non-volatile media	NAND Flash
Backup power source	HPE Smart Storage Battery
Maximum number of NVDIMMs	8GB: 16 (DL360/DL380 Gen9 with E5-2600 v4 processors) 16GB: 12 (Gen10 servers)
Compatible DIMM types	RDIMMs Only
Product Dimensions (metric)	8GB NVDIMM: 2.54 cm x .64 cm x 3.12 cm 16GB NVDIMM: 2.54 cm x .64 cm x 3.12 cm
Weight	0.24 kg
Warranty	1-year parts only

Most, if not all IT organizations are on a digital transformation journey — each at a different stage. With over 11,000 IT projects conducted and 1.4 million customer interactions each year, HPE Pointnext Services' 15,000+ experts and its vast ecosystem of solution partners and channel partners are uniquely able to help you at every stage of your digital transformation. We bring together technology and expertise to help you drive your business forward and prepare for whatever is next.

Advisory and Professional Services help you accelerate your digital transformation. Operational Services help you remove complexity and respond rapidly to business demands.

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 Datacenter Care** helps modernize and simplify IT operations. Partner with an assigned account team, access technical expertise, an enhanced call experience gives you priority access, choose hardware and software support, implement proactive monitoring to help stay ahead of issues, and access HPE IT best practices and IP.

- **HPE Proactive Care** offers an enhanced call experience and helps reduce problems with personalized proactive reports and advice. This also includes collaborative software support for Independent Software Vendors (ISVs), (Red Hat, VMWare, Microsoft, etc.). Read more

- **HPE Foundation Care** helps when there is a problem and has a choice of response levels. Collaborative software support is included and provides troubleshooting help for ISVs running on your server. Read more.

Other related services

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

HPE Service Credits offers a menu of technical services, access additional resources, and specialist skills.

HPE Education Services delivers a comprehensive range of services to support your people as they expand their skills required for a digital transformation.
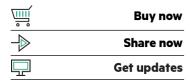
Consult your HPE Sales Representative or Authorized Channel Partner of choice for any additional questions and support options.

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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