



**Hewlett Packard**  
Enterprise

# HPE SIMPLIVITY 380 GEN10 NODE (Q8D81A)

**Hyper Converged**



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## WHAT'S NEW

- HPE SimpliVity 380 Gen10 now supports redeploy storage expansions for Read Intensive SSD's. Supported expansions are sequential, for example x6 to x8 SSDs, or x8 to x12 SSDs, or x12 to x16 SSDs
- VMWare vSphere 7.0 support for HPE SimpliVity 380 Gen9 and Gen10
- VMWare NSX-T VM Traffic Support

## OVERVIEW

Is complexity in your data center slowing you down?

HPE SimpliVity 380 gives IT organizations the agility and economics of the cloud with the control and governance of on-premises IT. It delivers a powerhouse Hyperconverged Solution optimized to support the world's most efficient and resilient data centers. This solution dramatically simplifies IT by combining infrastructure and advanced data services for virtualized workloads on a single device. Delivered on HPE ProLiant DL380

- HPE SimpliVity Firmware and ESXi decoupling from software releases and Maintenance Mode Enhancements
- HPE SimpliVity InfoSight streamlining of automated alerts, FIPS including FIPS support for InfoSight
- Backup Archiving via Cloud Bank and HPE StoreOnce Immutability for long term backup data protection

servers, the HPE SimpliVity 380 is a compact, scalable, 2U rack-mounted building block that consolidates server, storage, and storage networking services. By delivering a complete set of advanced functionalities, SimpliVity solutions enable dramatic improvements in the operational efficiency, management, protection, and performance for general purpose virtualized workloads for a fraction of the cost and complexity compared to today's traditional infrastructure stack.

## FEATURES

### Complete Hyperconvergence in a Fully Integrated System

The HPE SimpliVity 380 combines x86 resources, storage, and storage networking in a single hyperconverged system with advanced functionality.

Simplifies management and delivers outstanding cost efficiency and agility.

Increased visibility and control of the entire virtualized environment via unified management.

Delivers orchestrated, simultaneous deployment and upgrades so you can deploy more simply and respond to business needs faster.

Unify virtual machines and infrastructure tasks to reduce virtual machine (VM) sprawl and over-provisioning.

### Peak and Predictable Performance

The HPE SimpliVity 380 delivers an all-flash solution delivering predictable and near linear performance at near-wire speeds while reducing latency.

In-line deduplication, compression, and optimization helps reduce I/O and network traffic while dramatically shrinking backup window requirements.

### On Demand Scale-in and Scale-out

The HPE SimpliVity 380 can easily expand or contract configurations as your needs change.

Each node supports a large number of fully protected virtual machines (VMs).

A networked collection of nodes at both local and remote sites are managed as a single entity.

Flexibility to expand node storage and add a second CPU (with additional memory) to 1P nodes within the field.

Federations scale up to 96 nodes. Heterogenous federation support (clusters of HPE SimpliVity 380 Gen9/Gen10 and legacy HPE SimpliVity can be federated with clusters of HPE SimpliVity 380 G, HPE SimpliVity 325 Gen10/Gen10 Plus v2 and HPE SimpliVity 2600 Gen10).



### Advanced Data Services

The HPE SimpliVity 380 delivers always-on deduplication and compression to significantly reduce capacity utilization.

Built-in resiliency, backup, and disaster recovery for enterprise-grade data protection.

Policy-based, virtual machine (VM) centric management to streamline operations.

HPE SimpliVity RapidDR is a Disaster Recovery(DR) orchestration tool for HPE SimpliVity platforms to simplify, automate, and accelerate offsite DR for rapid recovery of applications.

Optional Data at Rest Encryption (DARE) support.

## Technical specifications

## HPE SimpliVity 380 Gen10 Node

|                             |   |
|-----------------------------|---|
| <b>Product Number</b>       | Q8D81A  |
| <b>Number of processors</b> | 1 or 2 Intel Xeon® Scalable Processors, depending on configuration  |
| <b>Cores</b>                | 8 to 28 cores per processor, depending on processor selected  |
| <b>Memory</b>               | 144 GB to 3,072 GB per node, depending on configuration   |
| <b>Storage</b>              | <ol style="list-style-type: none"> <li>Select one storage kit for the node</li> <li>Choose either read intensive or mixed use drive configuration</li> </ol> <p>HPE SimpliVity 380 for 4000 Series Extra Small Storage Kit Q8D90A 6-12 TB HPE SimpliVity 380 for 4000 Series Small Storage Kit Q8D91A 12-25TB HPE SimpliVity 380 for 4000 Series Medium Storage Kit Q8D92A 20-40TB HPE SimpliVity 380 for 4000 Series Large Storage Kit Q8D93A 40-80TB HPE SimpliVity 380 for 4000 Series Extra Large Storage Kit Q9J90A 3-6TB HPE SimpliVity 380 for 6000 Series Extra Small Storage Kit Q8D94A 6-12 TB HPE SimpliVity 380 for 6000 Series Small Storage Kit Q5V86A 12-25TB HPE SimpliVity 380 for 6000 Series Medium Storage Kit Q5V87A 20-40TB HPE SimpliVity 380 for 6000 Series Large Storage Kit Q5V88A</p> |
| <b>Ports</b>                | Ethernet 1Gb LOM embedded, choice of 2 x 10Gb FLOM  |
| <b>Power</b>                | <p>HPE 800W FS Plat Hot Plug Power Supply Kit<br/>                     HPE 800W FS -48VDC Hot Plug Power Supply Kit<br/>                     HPE 800W FS Titanium Hot Plug Power Supply Kit<br/>                     HPE 800W FS Universal Hot Plug Power Supply Kit<br/>                     HPE 1600W FS Platinum Hot Plug LH Power Supply Kit</p>  |
| <b>Form factor</b>          | 2U  |
| <b>Warranty</b>             | <p>Server Warranty includes 3-year parts, 3-year labor, 3-year onsite support with next business day response. Additional information regarding worldwide limited warranty and technical support is available at: <a href="https://techlibrary.hpe.com/us/en/enterprise/servers/warranty/">https://techlibrary.hpe.com/us/en/enterprise/servers/warranty/</a></p>   |



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](#).

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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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[PSN1010292479USEN](#), May, 2022.