

### Overview

#### HPE Flash Media Kits

Hewlett Packard Enterprise provides several high performance Flash Media kits for customers who require boot from flash solutions. Form factors include microSD and Flash USB Drives, and microSD Flash Memory Cards allowing the flexibility to support VMWare Hypervisors and direct OS boot for Windows2012 Server and Linux across HPE ProLiant portfolio.

HPE Flash Media kits optimized for VMWare Hypervisors:

- HPE 8GB microSD Flash Memory Card
- HPE 32GB microSD Flash Memory Card
- HPE 8GB Dual microSD Flash USB Drive
- HPE 8GB Flash USB Drive

HPE Flash Media kits optimized for Windows 2012 and Linux boot:

- HPE 32GB microSD Flash Memory Card



**HPE 8GB Flash USB Drive**



**HPE 8GB Dual microSD Flash USB Drive**



**HPE 8GB microSD Flash Memory Card**



**HPE 32GB microSD Flash Memory Card**

## Overview

### Models

#### HPE Flash Media Kits for USB Drives

##### HPE USB Flash Media Drives

HPE 8GB microSD Flash USB Drive

737953-B21

HPE 8GB Dual microSD Flash USB Drive

741279-B21

**NOTE:** Supported on Gen9 and Gen 10 ProLiant servers

##### HPE microSD Flash Memory Cards

HPE 8GB microSD Flash Memory Card

726116-B21

HPE 32GB microSD Flash Memory Card

700139-B21

**NOTE:** Supported on Gen9 and Gen 10 ProLiant servers

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## Standard Features

### Why HPE Flash Media?

HPE Flash media delivers blazing performance by providing solid state technology to increase bandwidth for both operating system booting and virtualized environments.

HPE tests and qualifies these devices using the highest industry flash technology that provides a higher level of performance and longer endurance characteristics at an enterprise level. Each device undergoes rigorous performance testing, software validation and strict revision control to ensure its quality and reliability while running on HPE ProLiant Servers. Form factors including USB Drives, and MicroSD Card are offered allowing the flexibility to support direct OS boot or virtualization across the HPE ProLiant portfolio.

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### Read/Write Performance

HPE Flash Media products offer superior performance with greater than 10+ MB/second Read Transfer Rate, and 5+ MB/second Write Transfer Rate.

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### Power

A typical flash media device draws 1W versus 12W total power on 2 x 300GB SAS 10K SFF hard drives in a RAID configuration.

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### OS Support

#### For all HPE 8GB Flash Media devices including:

HPE 8GB microSD Flash USB Drive

HPE 8GB Dual microSD Flash USB Drive

HPE 8GB microSD Flash Memory Card

- VMware ESX Server 3.5 Update 4 Build 153875 (30 Mar 2009)
- VMware ESX Server 3.5 Update 5 Build 207095 (03 Dec 2009)
- VMware vSphere 4.0 (May 20, 2009)
- VMware ESX 4.0 Build 164009 (21 May 2009)
- VMware ESX 4.0 Update 1 Build 208167 (19 Nov 2009)
- VMware ESXi 4.1
- VMware ESXi 5.0
- VMware ESXi 5.1
- VMware ESXi 5.5
- VMware ESXi 6.0
- VMware ESXi 6.5
- VMware ESXi 6.7

**NOTE:** Intelligent Provisioning **not** supported on any HPE 8GB Flash Media devices.

#### For all HPE 32GB Flash Media devices including:

HPE 32GB microSD Flash Memory Card

- Windows Server 2012 Standard Server
- Windows Server 2012 Standard Server Core
- Windows Server 2012 Datacenter Server
- Windows Server 2012 Datacenter Server Core
- Windows Server 2012 Hyper-V Server
- Windows Server 2016
- RHEL 6.9 (64 bit)
- RHEL 7.5 (64 bit)
- SLES 12 SP3 (64 bit)
- SLES 15 (64 bit)
- VMware ESXi 5.1 Update 3
- VMware ESXi 5.5 Update 3
- VMware ESXi 6.0
- VMware ESXi 6.5
- VMware ESXi 6.7

## Standard Features

### Warranty

HPE Flash Media Kits have a 1 year limited warranty regardless of the warranty period for the system in which they are installed.

## Service and Support

### Service and Support

**NOTE:** HPE Flash Media Kits are supported as a part of the HPE Server Infrastructure. No separate care packs are needed to be purchased.

#### **HPE Technology Services for Industry Standard Servers**

HPE Technology Services delivers confidence, reduces risk and helps customers realize agility and stability. Connect to HPE to help prevent problems and solve issues faster. Our support technology lets you to tap into the knowledge of millions of devices and thousands of experts to stay informed and in control, anywhere, any time.

#### **Protect your business beyond warranty with HPE Pointnext operational services**

HPE Pointnext operational services enable you to order the right service level, length of coverage and response time as you purchase your new server, giving you full entitlement for the term you select.

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#### **Get connected to HPE to improve your support experience**

Connecting products to Hewlett Packard Enterprise will help prevent problems with 24x7 monitoring, pre-failure alerts, automatic call logging, and parts dispatch. With Connected products, you can have a dashboard to manage your IT anywhere, anytime, from any device.

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#### **Parts and Materials**

Hewlett Packard Enterprise will provide HPE-supported replacement parts and materials necessary to maintain the covered hardware product in operating condition, including parts and materials for available and recommended engineering improvements.

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.

The defective media retention service feature option applies only to Disk or eligible SSD/Flash Drives replaced by Hewlett Packard Enterprise due to malfunction.

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#### **Customer Technical Training**

In today's cost-conscious business environment, IT professionals, developers, consultants and users face an interesting challenge: how to keep up with the latest technologies and expand important skills while delivering profitable results on current projects. To help address this challenge, Hewlett Packard Enterprise offers innovative training solutions that help keep you up-to-date on virtualization, server, storage, Insight Control, Citrix, Microsoft® and open source/Linux-related topics-while spending less time away from business-critical activities.

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#### **HPE Services Awards**

HPE Technology Services continues to be recognized for service and support excellence by customers, partners, industry organizations and publications around the world. Recent honors and award reflect our services team's dedications, technical expertise, professionalism and uncompromising commitment to customer satisfaction.

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#### **Additional Services Information**

To learn more on HPE ProLiant servers, HPE BladeSystem servers and HPE storage products, please contact your Hewlett Packard Enterprise sales representative or Hewlett Packard Enterprise Authorized Channel Partner. Or visit:

<http://www.hpe.com/services> or <https://www.hpe.com/us/en/servers/server-options.html>

## Technical Specifications

741279-B21	<b>HPE 8GB Dual microSD Flash USB Drive</b>
<b>Usable Capacity</b>	8GB
<b>Performance</b>	25+ MB/second Read Transfer Rate, 8.6+ MB/second Write Transfer Rate
<b>Class</b>	Class 10
<b>Form factor</b>	63mm(L) x 20mm(W) x 9.3mm(H)
<b>Voltage</b>	4.0V (min) – 6.0V (max)
<b>Compliance</b>	USB specification 2.0
<b>Operating Temperature</b>	0/70°C (Operational), -25°C/85°C (non-operational)
737953-B21	<b>HPE 8GB Flash USB Drive</b>
<b>Usable Capacity</b>	8GB
<b>Performance</b>	20+ MB/second Read Transfer Rate, 17 10+ MB/second Write Transfer Rate
<b>Form factor</b>	57.24mm(L) x 17.29mm(W) x 9.5mm(H)
<b>Voltage</b>	4.5V (min) - 5.5V (max)
<b>Compliance</b>	USB specification revision 1.1 and 2.0
<b>Operating Temperature</b>	0/70°C (Operational), -25°C/85°C (non-operational)
726116-B21	<b>HPE 8GB microSD Flash Memory Card</b>
<b>Usable Capacity</b>	8GB
<b>Performance</b>	34+ MB/second Read Transfer Rate, 33+ MB/second Write Transfer Rate
<b>Class</b>	Class 10
<b>Form factor</b>	15mm(L) x 11mm(W) x .95mm(H)
<b>Voltage</b>	2.7V (min) - 3.6V (max)
<b>Compliance</b>	SD Card Association
<b>Operating Temperature</b>	0°C /70°C (Operational), -25°C/85°C (non-operational)
700139-B21	<b>HPE 32GB microSD Flash Memory Card</b>
<b>Usable Capacity</b>	32GB*
<b>Performance</b>	33+ MB/second Read Transfer Rate, 34+ MB/second Write Transfer Rate
<b>Class</b>	Class 10
<b>Form factor</b>	15mm(L) x 11mm(W) x .95mm(H)
<b>Voltage</b>	2.7V (min) - 3.6V (max)
<b>Compliance</b>	SD Card Association
<b>Operating Temperature</b>	0°C /70°C (Operational), -25°C/85°C (non-operational)

**NOTE:** Capacity specified is total raw capacity of device. Actual usable capacity may be less.

### Environment-friendly Products and Approach - End-of-life Management and Recycling

Hewlett Packard Enterprise offers end-of-life **product return, trade-in, and recycling programs**, in many geographic areas, for our products. Products returned to Hewlett Packard Enterprise will be recycled, recovered or disposed of in a responsible manner. The EU WEEE Directive (2012/19/EU) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the [Hewlett Packard Enterprise web site](#). These instructions may be used by recyclers and other WEEE treatment facilities as well as Hewlett Packard Enterprise OEM customers who integrate and re-sell Hewlett Packard Enterprise equipment.

## Summary of Changes

Date	Version History	Action	Description of Change
01-Oct-2018	Version 25	Changed	Overview were revised.
13-Aug-2018	Version 24	Changed	Overview & Standard Features sections were updated
02-Apr-2018	Version 23	Changed	Removed obsolete programs. Changed product descriptions. Revised OS Support.
23-Oct-2017	Version 22	Changed	Care Pack naming and Service and Support- Parts and Materials updated.
25-Sep-2017	Version 21	Changed	Overview and Standard Features were revised.
		Removed	Compatibility section was removed.
17-Feb-2017	Version 20	Changed	Models, OS Support, and HPE 32GB microSD Enterprise Mainstream Flash Media Kit 700139-B21 were revised.
11-Dec-2015	Version 19	Changed	OS Support was revised.
28-Sep-2015	Version 18	Added	Added HPE 32GB SD enterprise Mainstream Flash Media Kit and HPE 32GB microSD Enterprise Mainstream Flash Media Kit for VMWare Hypervisors. Added VMware ESXi 5.1 Update 3, VMware ESXi 5.5 Update 3, VMware ESXi 6.0 to OS Support.
		Changed	Changed What's New was updated section to read: 32GB SD and MicroSD support for VMware.
30-Mar-2015	Version 17	Added	Added HPE Dual 8GB microSD Enterprise Midline USB Kit
		Changed	Compatibility, Standard Features, Service and Support, and Technical Specifications were revised.
20-Jun-2014	Version 16	Changed	4GB card was replaced by 8GB
		Removed	EOL kits were removed: <ul style="list-style-type: none"> <li>• HPE 2GB USB Flash Media Drive Key Kit</li> <li>• HPE 4GB SD Enterprise Performance Flash Media Kit</li> <li>• HPE 4GB microSD Enterprise Performance Flash Media Kit</li> </ul>
16-May-2014	Version 15	Changed	Compatibility was revised
9-Dec-2013	Version 14	Changed	Changed What's New section to read: HPE 8GB USB Enterprise Mainstream Flash Media Drive Key Kit
30-Sep-2013	Version 13	Added	HPE 8GB SD and microSD Enterprise Mainstream Flash Media Kits were added Servers were added to Compatibility Intelligent Provisioning was added to Standard Features VMware ESXi 5.1 and 5.5, RHEL 6.4, and SLES SP3 were added to OS Support
13-Mar-2013	Version 12	Changed	Technical Specifications: Updated entire section
20-Mar-2013	Version 11	Removed	Removed Supports Intelligent Provisioning of OS through AUX power from the Overview section
20-Feb-2013	Version 10	Changed	Changes made to update the Models and Technical Specifications sections
19-Feb-2013	Version 9	Changed	Changes made to completely revise the entire QuickSpecs except for the Service and Support section
4-Dec-2012	Version 8	Changed	Changes made in Overview and Service and Support sections
10-Oct-2012	Version 7	Changed	Changes made in the Compatibility section
24-Sep-2012	Version 6	Changed	Changes made in the Compatibility section
6-Apr-2012	Version 5	Changed	Changes made to the OS Support and Technical Specifications sections.
6-Mar-2012	Version 4	Changed	Server Support was updated
20-Jun-2011	Version 3	Removed	Mentions of StorageWorks were removed
22-Apr-2011	Version 2	Changed	Warranty was revised in Standard Features Compliance was completely revised for HPE 2GB USB Flash Media Drive Key Kit in Technical Specifications

## Summary of Changes

			Note and Maximum supported lifetime/maximum usage was removed from Additional Services Information
05-Apr-2011	Version 1	New	New QuickSpecs



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For hard drives, 1GB = 1 billion bytes. Actual formatted capacity is less.

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