QuickSpecs

Overview

HPE Trusted Platform Module 2.0 Gen10 Plus

The HPE Trusted Platform Module (TPM) works with programs such as Microsoft Windows® BitLocker™ to increase data security by storing the encryption startup key in hardware on the server, which provides a more secure environment by pairing the drive to the server. Pairing the drive to the server helps prevent the encrypted drive from being read if inserted in a different server. The HPE TPM can also store passwords, certificates, and encryption keys that can authenticate server hardware and software through remote attestation while the measured boot capability enhances the effectiveness of anti-malware solutions.

The HPE TPM options conform to the Trusted Computing Group specifications and provides hardware-based authentication and tamper detection preventing a TPM from being moved to another server or replaced.

What's New

- New Gen10 Plus cover design that adds increased physical tamper security
- Adds support for TCG TPM Library 1.38

Models

HPE Trusted Platform Module 2.0 Gen10 Plus Black Rivets Kit   P13771-B21
Compatible with HPE Gen10 Plus Rack and Tower servers. Supports TPM 1.2 (UEFI and Legacy mode) and 2.0 (UEFI mode).

HPE Gen10 Plus TPM WR Module Kit   P17413-B21
Compatible with HPE Gen10 Plus Synergy and Apollo servers. Supports TPM 1.2 (UEFI and Legacy mode) and 2.0 (UEFI mode).

HPE Trusted Platform Module 2.0 Gen10 Option   864279-B21
Compatible with HPE Gen10 servers. Supports TPM 1.2 (UEFI and Legacy mode) and 2.0 (UEFI mode).

Standard Features

TPM Standards

HPE Gen10 Plus TPM BR/WR Module Kit: The chip within the module complies with the Trusted Computing Group specification for version 2.0 revision 1.38 (default) and version 1.2 revision 1.16, and meet Common Criteria Certification level EAL4+.

HPE Trusted Platform Module 2.0 for Gen10: The chip within the module complies with the Trusted Computing Group specification for version 2.0 revision 1.16 (default) and version 1.2 revision 1.16, and meets Common Criteria Certification level EAL4+.

Supported Operating Systems			
SKU	**P13771-B21**	**P17413-B21**	**864279-B21**
Description	HPE Trusted Platform Module 2.0 Gen10 Plus Black Rivets Kit	HPE Gen10 Plus TPM WR Module Kit	HPE Trusted Platform Module 2.0 Gen10 Option
Microsoft Windows Server Version Supported	**TPM 1.2** Not Supported **TPM 2.0** Windows Server 2016 Windows Server 2019	**TPM 1.2** Not Supported **TPM 2.0** Windows Server 2016 Windows Server 2019	**TPM 1.2** Microsoft Windows Server 2012 R2 (If platform supports OS) **TPM 2.0** Windows Server 2016 Windows Server 2019
Redhat Enterprise Linux Version Supported	**TPM 1.2** RHEL 6.9 and later RHEL7.0 and later **TPM 2.0** RHEL7.2 and later RHEL8.0 and later	**TPM 1.2** RHEL 6.9 and later RHEL7.0 and later **TPM 2.0** RHEL7.2 and later RHEL8.0 and later	**TPM 1.2** RHEL 6.9 and later RHEL7.0 and later **TPM 2.0** RHEL7.2 and later RHEL8.0 and later
SUSE Enterprise Linux Version Supported	**TPM 1.2** SLES 12 SP2 and newer SLES15 GA and newer www.hpe.com/servers/slescert/min **TPM 2.0** SLES 12 SP2 and newer SLES15 GA and newer www.hpe.com/servers/slescert/min	**TPM 1.2** SLES 12 SP2 and newer SLES15 GA and newer www.hpe.com/servers/slescert/min **TPM 2.0** SLES 12 SP2 and newer SLES15 GA and newer www.hpe.com/servers/slescert/min	**TPM 1.2** SLES 12 SP2 and newer SLES15 GA and newer www.hpe.com/servers/slescert/min **TPM 2.0** SLES 12 SP2 and newer SLES15 GA and newer www.hpe.com/servers/slescert/min
VMware Version Supported	**TPM 1.2** vSphere 6.5U3, 6.7U3 **TPM 2.0** vSphere 6.7U3	**TPM 1.2** vSphere 6.5U3, 6.7U3 **TPM 2.0** vSphere 6.7U3	**TPM 1.2** vSphere 6.0U3, 6.5U1, 6.5U2, 6.5U3, 6.7, 6.7U1, 6.7U2, 6.7U3 **TPM 2.0** vSphere 6.7, 6.7U1, 6.7U2, 6.7U3

Standard Features

Page 3

Supported HPE BIOS
The HPE Gen10 Plus TPM BR Module Kit is compatible with HPE Gen10 Plus Rack and Tower servers only.

The HPE Gen10 Plus TPM WR Module Kit is compatible with HPE Gen10 Plus Synergy and Apollo servers only.

The HPE Trusted Platform Module 2.0 for Gen10 is compatible with HPE Gen10 servers only.

Support Matrix
The Trusted Platform Module Options are designed to be installed onto the vacant TPM connector on supported servers. Once installed, the TPM module becomes a permanent part of the system board. It is not designed to be removed.
The HPE Gen10 Plus TPM BR Module Kit is compatible with HPE Gen10 Plus Rack and Tower servers.

The HPE Gen10 Plus TPM WR Module Kit is compatible HPE Gen10 Plus Synergy and Apollo servers.

The HPE Trusted Platform Module 2.0 for Gen10 is compatible with supported HPE Gen10 servers only.
Please see the following URL for the latest list of supported servers and enclosures: **http://www.hpe.com/info/serveroptions**

Warranty
The HPE Trusted Platform Module and the HPE Trusted Platform Modules have a 3-year limited warranty regardless of the warranty period for the system in which they are installed.

Service and Support

HPE Pointnext - Service and Support

Get the most from your HPE Products. Get the expertise you need at every step of your IT journey with **HPE Pointnext Services**. We help you lower your risks and overall costs using automation and methodologies that have been tested and refined by HPE experts through thousands of deployments globally. HPE Pointnext **Advisory Services**, focus on your business outcomes and goals, partnering with you to design your transformation and build a roadmap tuned to your unique challenges. Our **Professional** and **Operational Services** can be leveraged to speed up time-to-production, boost performance and accelerate your business. HPE Pointnext specializes in flawless and on-time implementation, on-budget execution, and creative configurations that get the most out of software and hardware alike.

Consume IT on your terms

HPE GreenLake brings the cloud experience directly to your apps and data wherever they are—the edge, colocations, or your data center. It delivers cloud services for on-premises IT infrastructure specifically tailored to your most demanding workloads. With a pay-per-use, scalable, point-and-click self-service experience that is managed for you, HPE GreenLake accelerates digital transformation in a distributed, edge-to-cloud world.

- Get faster time to market
- Save on TCO, align costs to business
- Scale quickly, meet unpredictable demand
- Simplify IT operations across your data centers and clouds

Managed services to run your IT operations

HPE GreenLake Management Services provides services that monitor, operate, and optimize your infrastructure and applications, delivered consistently and globally to give you unified control and let you focus on innovation.

Recommended Services

HPE Pointnext Tech Care.

HPE Pointnext Tech Care is the new operational service experience for HPE products. Tech Care goes beyond traditional support by providing access to product specific experts, an AI driven digital experience, and general technical guidance to not only reduce risk but constantly search for ways to do things better. HPE Pointnext Tech Care has been reimagined from the ground up to support a customer-centric, AI driven, and digitally enabled customer experience to move your business forward. HPE Pointnext Tech Care is available in three response levels. Basic, which provides 9x5 business hour availability and a 2 hour response time. Essential which provides a 15 minute response time 24x7 for most enterprise level customers, and Critical which includes a 6 hour repair commitment where available and outage management response for severity 1 incidents.

https://www.hpe.com/services/techcare

HPE Pointnext Complete Care

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 Pointnext Complete Care provides:

- A complete coverage approach -- edge to cloud
- An assigned HPE team
- Modular and fully personalized engagement
- Enhanced Incident Management experience with priority access
- Digitally enabled and AI driven customer experience

https://www.hpe.com/services/completecare

Connect your devices to HPE

Service and Support

Unlock all of the benefits of your technology investment by connecting your products to Hewlett Packard Enterprise. Achieve up to 77% reduction in down time, near 100% diagnostic accuracy and a single consolidated view of your environment. By connecting, you will receive 24x7monitoring, pre-failure alerts, automatic call logging, and automatic parts dispatch. HPE Tech Care Service and HPE Complete Care Service customers will also benefit from proactive activities to help prevent issues and increase optimization. All of these benefits are already available to you with your server storage and networking products, securely connected to Hewlett Packard Enterprise support.

Service Coverage

For ProLiant servers and storage systems, the service on the main product covers Hewlett Packard Enterprise-branded hardware options not designated by Hewlett Packard Enterprise as requiring separate coverage that are qualified for the server, are purchased at the same time or afterward, and are internal to the enclosure. The service also covers external monitors up to 22 inches in size and tower UPS products during their supported life of up to 5 years beyond sales discontinuance. These items will be covered at the same service level as the main product.

For more information

To learn more on services for HPE ESSN Options, please contact your Hewlett Packard Enterprise sales representative or Hewlett Packard Enterprise Authorized Channel Partner. Or visit: **http://www.hpe.com/services**

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 QuickSpecs, 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.

Technical Specifications

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

Hewlett Packard Enterprise offers end-of-life **U**, 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
15-Nov-2021	Version 7	Changed	Service and Support Section was updated
01-Jun-2020	Version 6	Changed	Overview and Standard Features sections were updated. New SKU was added.
03-Feb-2020	Version 5	Changed	Overview section was updated
23-Oct-2017	Version 4	Changed	Care Pack naming and Service and Support- Parts and Materials updated.
11-Jul-2017	Version 3	Changed	Overview and Standard Features were revised.
10-Jun-2016	Version 2	Changed	Changes made throughout the QuickSpecs.
31-Mar-2016	Version 1	New	New QuickSpecs

Copyright

**Make the right purchase decision.
Contact our presales specialists.**

Chat   **Email**   **Call**

Get updates

**Hewlett Packard
Enterprise**