

Overview

HPE SR100i Gen10 Plus Software RAID

HPE SR100i Gen10 Plus Software RAID, supporting 6Gb/s SATA, is an economical solution for supporting RAID 0, 1, 5, and 10. Software (SW) RAID is a driver based solution that enables RAID on up to 8 SATA drives connected to the embedded SATA ports on the system board. This software RAID solution only supports HPE ProLiant Gen10 Plus servers and provides the efficiency needed to address your evolving data storage needs.

Key Features

- Storage interface
 - Up to 14 SATA lanes
 - 6 Gb/s SATA technology
 - 16G NVMe support
- RAID 0, 1, 5, and 10
- UEFI System Utilities (storage configuration)
- Up to 12 drives (depending on Gen10 Plus server platform)
- Up to 8 volumes
- Seamless upgrades to HPE SR controllers
- Support for Microsoft Windows OS only

Ports

- Up to 8 NVMe lanes supporting two NVMe drive bays.
- Internal: Up to 8 SATA lanes (depending on Gen10 Plus server platform)
 - AMD AHCI = up to 8 SATA Drives

Performance

- 6Gb/s SATA (600 MB/s theoretical bandwidth per physical lane)

Fault Prevention

The following features offer detection of possible failures before they occur:

- Predictive drive failure detects possible drive failure before it occurs, allowing replacement of the component before failure occurs.
- Background surface scan checks drives during inactive periods and automatically remaps bad sectors, ensuring data integrity.
- HPE SSD Wear Gauge reports the amount of life remaining on your SSDs.

Storage Management Software Suite

- HPE Smart Storage Administrator (SSA) GUI
- HPE Smart Storage Administrator (SSA) CLI
- HPE Smart Storage Administrator (SSA) Scripting
- HPE Intelligent Provisioning
- UEFI System Utilities (storage configuration)

Notes: For additional information see the [HPE SR Configuration Guide](#) or [HPE SR100i Gen10 Plus Software RAID User Guide](#) at: <http://www.hpe.com/info/SmartArrayGen10 Plus-docs>

Overview

XXXXXX-**X21** is SKU designation formed by a common six digit part number and a -**X21** suffix that identifies a SKU that is available across multiple server family lines. Refer to the table below to find the SKU suffix that applies to the specific server product line this option can be ordered with.

-B21	-H21	-K21
COMPUTE Server Line	SPECIALIZED COMPUTE Server Line	STORAGE Line
HPE Cloudline	HPE Apollo 35/40/70 Systems	HPE Apollo 4200 Gen9/Gen10 Servers
CL2100/CL2200/CL2800/CL3100/CL4100/CL5200/CL5800 Servers	HPE Apollo 2000/6000 Servers	HPE Apollo 4200 Gen10 LFF Server for BlueData Software
HPE Composable Cloud for ProLiant DL	HPE XL170r/XL190r/XL270d (Apollo 6500) Gen10 Server for BlueData Software	HPE Apollo 4510 Gen10 System
HPE ProLiant BL460c/BL660c Servers	HPE Converged System 300/500/700/750	HPE D2220sb/D2500sb Storage Blade
HPE ProLiant DL20/DL160/DL180 Servers	HPE Edgeline Systems and Servers	HPE D3000/D6020/D8000 Disk Enclosures
HPE ProLiant DL325/DL360/DL380/DL385/DL560/DL580 Servers	HPE Integrity BL860c i6/BL870c i6/BL890c i6 Server Blades	HPE Scalable Object Storage with Scality RING
HPE ProLiant DX360/DX380 Servers	HPE Integrity MC990 X Server	HPE SimpliVity 2600
HPE ProLiant MicroServer	HPE Integrity rx2800 i6 Server	HPE SimpliVity 325/380 Gen10
HPE ProLiant for Microsoft Azure Stack	HPE Integrity Superdome	HPE Storage File Controllers
HPE ProLiant ML30/ML110/ML350 Servers	HPE SGI 8600 System	HPE StoreEasy 1460/1560/1650/1660/1860
HPE Synergy 480/660 Systems	HPE Solutions for SAP HANA (TDI)	
HPE ProLiant DX170r/DX190r, DX2000 Servers		Disclaimer: This may not be a complete listing of applicable servers
HPE ProLiant DX560 Gen10 server		
HPE ProLiant DX4200 Gen10 server		



Standard Features

Server Compatibility

Platform	Max Drive Type	Raid Level Support
DL325 Gen10 Plus	8 SATA	0,1,5,10
Apollo 2000 Gen10 Plus	6 SATA	0,1,5,10

Operating Systems

- Microsoft Windows Server
- Microsoft Windows Hyper-V Server

Notes:

- SR100i Software RAID only supports Windows. For Linux users, HPE offers a solution that uses in-distro open-source software to create a two-disk RAID 1 boot volume. For more information visit:
<https://downloads.linux.hpe.com/SDR/project/lsrrb/>
- HPE SR100i does not support Linux and VMware
- For more information on HPE's server operating systems and virtualization software, please visit:
<http://www.hpe.com/info/ossupport>



Service and Support

HPE Services

No matter where you are in your digital transformation journey, you can count on HPE Services to deliver the expertise you need when, where and how you need it. From planning to deployment, ongoing operations and beyond, our experts can help you realize your digital ambitions.

<https://www.hpe.com/services>

Consulting Services

No matter where you are in your journey to hybrid cloud, experts can help you map out your next steps. From determining what workloads should live where, to handling governance and compliance, to managing costs, our experts can help you optimize your operations.

<https://www.hpe.com/services/consulting>

HPE Managed Services

HPE runs your IT operations, providing 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.

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Operational services

Optimize your entire IT environment and drive innovation. Manage day-to-day IT operational tasks while freeing up valuable time and resources. Meet service-level targets and business objectives with features designed to drive better business outcomes.

<https://www.hpe.com/services/operational>

HPE Complete Care Service

HPE Complete Care Service is a modular, edge-to-cloud IT environment service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals through a personalized experience. All delivered by an assigned team of HPE Services experts. HPE Complete Care Service 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/completecure>

HPE Tech Care Service

HPE Tech Care Service is the operational support service experience for HPE products. The service 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 Tech Care Service delivers a customer-centric, AI driven, and digitally enabled customer experience to move your business forward. HPE Tech Care Service 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>



Service and Support

HPE Lifecycle Services

HPE Lifecycle Services provide a variety of options to help maintain your HPE systems and solutions at all stages of the product lifecycle. A few popular examples include:

- Lifecycle Install and Startup Services: Various levels for physical installation and power on, remote access setup, installation and startup, and enhanced installation services with the operating system.
- HPE Firmware Update Analysis Service: Recommendations for firmware revision levels for selected HPE products, taking into account the relevant revision dependencies within your IT environment.
- HPE Firmware Update Implementation Service: Implementation of firmware updates for selected HPE server, storage, and solution products, taking into account the relevant revision dependencies within your IT environment.
- Implementation assistance services: Highly trained technical service specialists to assist you with a variety of activities, ranging from design, implementation, and platform deployment to consolidation, migration, project management, and onsite technical forums.
- HPE Service Credits: Access to prepaid services for flexibility to choose from a variety of specialized service activities, including assessments, performance maintenance reviews, firmware management, professional services, and operational best practices.

Notes: To review the list of Lifecycle Services available for your product go to:

<https://www.hpe.com/services/lifecycle>

For a list of the most frequently purchased services using service credits, see the [HPE Service Credits Menu](#)

Other Related Services from HPE Services:

HPE Education Services

Training and certification designed for IT and business professionals across all industries. Broad catalogue of course offerings to expand skills and proficiencies in topics ranging from cloud and cybersecurity to AI and DevOps. Create learning paths to expand proficiency in a specific subject. Schedule training in a way that works best for your business with flexible continuous learning options.

<https://www.hpe.com/services/training>

Defective Media Retention

An option available with HPE Complete Care Service and HPE Tech Care Service and applies only to Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

Consult your HPE Sales Representative or Authorized Channel Partner of choice for any additional questions and services options.

Parts and Materials

HPE 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.

How to Purchase Services

Services are sold by Hewlett Packard Enterprise and Hewlett Packard Enterprise Authorized Service Partners:

- Services for customers purchasing from HPE or an enterprise reseller are quoted using HPE order configuration tools.
- Customers purchasing from a commercial reseller can find services at <https://ssc.hpe.com/portal/site/ssc/>



Service and Support

AI Powered and Digitally Enabled Support Experience

Achieve faster time to resolution with access to product-specific resources and expertise through a digital and data driven customer experience

Sign into the HPE Support Center experience, featuring streamlined self-serve case creation and management capabilities with inline knowledge recommendations. You will also find personalized task alerts and powerful troubleshooting support through an intelligent virtual agent with seamless transition when needed to a live support agent.

<https://support.hpe.com/hpesc/public/home/signin>

Consume IT On Your Terms

HPE GreenLake edge-to-cloud platform 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 edge-to-cloud platform 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

To learn more about HPE Services, please contact your Hewlett Packard Enterprise sales representative or Hewlett Packard Enterprise Authorized Channel Partner. Contact information for a representative in your area can be found at "Contact HPE"

<https://www.hpe.com/us/en/contact-hpe.html>

For more information

www.hpe.com/services



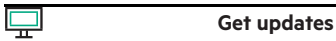
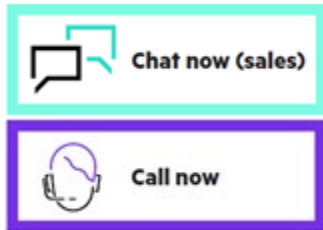
Summary of Changes

Date	Version History	Action	Description of Change
04-Dec-2023	Version 5	Changed	Service and Support Section was updated
18-Sep-2023	Version 4	Changed	Overview Section and Key Features were updated
05-Jun-2023	Version 3	Changed	Overview Section was Updated
15-Nov-2021	Version 2	Changed	Service and Support Section was updated
05-Oct-2020	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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