QuickSpecs

Overview

HPE Smart Array S100i SR Gen10 Software RAID

HPE Smart Array S100i SR Gen10 Software RAID, supporting 6Gb/s SATA, is an ideal entry-level solution for supporting RAID 0, 1, 5, and 10. Smart Array Software (SW) RAID is a driver based solution that enables RAID on up to 14 SATA drives connected to the embedded SATA ports on the system board. This software RAID solution is available for HPE ProLiant Gen10 servers and HPE Synergy Gen10 compute modules and provides the efficiency needed to address your evolving data storage needs. HPE Smart Array S100i SR Gen10 SW RAID is only supported on Windows.

Key Features	- Storage interface (SATA) - Up to 14 SATA lanes 6Gb/s SATA technology - RAID 0, 1, 5, and 10 - UEFI System Utilities (storage configuration) - Up to 14 physical drives - Up to 14 logical drives - Seamless upgrades to HPE Smart Array controllers
Ports	Internal: Up to 14 SATA lanes (dependent on server)
Performance	6Gb/s SATA (600 MB/s theoretical bandwidth per physical lane) - PCI Express 3.0 x4 link width
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 SmartSSD Wear Gauge reports the amount of lifetime 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) **NOTE:** For additional information see the HPE Smart Array SR Gen10 Configuration Guide at: **http://www.hpe.com/info/SmartArrayGen10-docs**

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Compatibility

Server Compatibility	HPE Smart Array S100i SR Gen10 Software RAID is offered on all ProLiant Gen10 servers and Synergy Gen10 compute modules.

Operating Systems

Microsoft Windows Server

Microsoft Windows Hyper-V Server

NOTE: S100i 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/**

NOTE: Customers using Linux and VMware can use the embedded SATA ports in AHCI mode. In AHCI mode S100i Software RAID is not enabled.

NOTE: For more information on HPE's server operating systems and virtualization software, please visit: **http://www.hpe.com/info/ossupport**

Service and Support

HPE Support Services	Protect your business beyond warranty with HPE Support Services HPE Pointnext provides a comprehensive portfolio including Advisory and Transformational, Professional, and Operational Services to help accelerate your digital transformation. From the onset of your transformation journey, Advisory and Transformational Services focus on designing the transformation and creating a solution roadmap. Professional Services specializes in creative configurations with flawless and on-time implementation, and on-budget execution. Finally, operational services provides innovative new approaches like Flexible Capacity and Datacenter Care, to keep your business at peak performance. HPE is ready to bring together all the pieces of the puzzle for you, with an eye on the future, and make the complex simple.
Recommended Support	**HPE Proactive Care* with 24x7 coverage, three year Support Service** HPE Proactive Care gives customers an enhanced call experience. When your products are connected to HPE, Proactive Care helps prevent problems and maintains IT stability by utilizing personalized proactive reports with recommendations and advice. This Service combines three years proactive reporting and advice with our 24x7 coverage, four hour hardware response time when there is a problem. This service also includes collaborative software support for Independent Software Vendors (ISVs), (Red Hat, VMWare, Microsoft, etc.) running on your HPE servers. **https://www.hpe.com/h20195/v2/GetPDF.aspx/4AA3-8855ENW.pdf** **HPE Proactive Care* with 6 hour call-to-repair commitment, three year Support Service** HPE Proactive Care gives customers an enhanced call experience. When your products are connected to HPE, Proactive Care helps prevent problems and maintains IT stability by utilizing personalized proactive reports with recommendations and advice. This Service combines three years' proactive reporting and advice with our highest level of hardware support - HPE's 24x7, six hour hardware call-to-repair. HPE is the only leading manufacturer who makes this level of coverage available as a standard service offering for your most valuable servers. This service also includes collaborative software support for Independent Software Vendors (ISVs), (Red Hat, VMWare, Microsoft, etc.) running on your HPE servers. **https://www.hpe.com/h20195/v2/GetPDF.aspx/4AA3-8855ENW.pdf** *HPE Proactive Care and HPE Proactive Care Advanced require that the customer connect their devices to make the most of these services and receive all the deliverables.
HPE Education Services	Keep your IT staff trained making sure they have the right skills to deliver on your business outcomes. Book on a class today and learn how to get the most from your technology investment. **http://www.hpe.com/ww/learn**
HPE Support Center	The HPE Support Center is a personalized online support portal with access to information, tools and experts to support HPE business products. Submit support cases online, chat with Hewlett Packard Enterprise experts, access support resources or collaborate with peers. Learn more **http://www.hpe.com/support/hpesc** The HPE Support Center Mobile App* allows you to resolve issues yourself or quickly connect to an agent for live support. Now, you can get access to personalized IT support anywhere, anytime. HPE Insight Remote Support and HPE Support Center are available at no additional cost with a HPE warranty, HPE Support Service or HPE contractual support agreement. *HPE Support Center Mobile App is subject to local availability.

Service and Support

Additional Service Information	**http://www.hpe.com/services**
HPE Smart Array Supporting Documents	For additional support documents, including and configuration guide and user guides, please visit: **http://www.hpe.com/info/SmartArrayGen10-docs**
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.

Summary of Changes

Date	Version History	Action	Description of Change
07-May-2018	Version 4	Changed	Updated a note in the Operating Systems section
12-Feb-2018	Version 3	Changed	Updated Service and Support; added note on embedded SATA ports being used in AHCI mode
04-Dec-2017	Version 2	Changed	QuickSpecs name updated
17-Jul-2017	Version 1	New	New QuickSpecs.

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