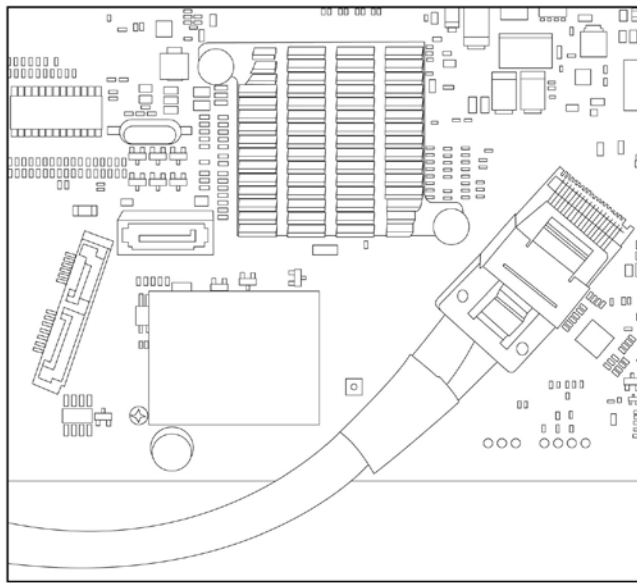


Overview

HPE Dynamic Smart Array B140i Controller

HPE Dynamic Smart Array is a software RAID solution combining a storage host bus adapter (HBA) and proprietary software components. Eliminating most of the hardware RAID controller components and relocating advanced RAID algorithms from a hardware-based controller into device driver software lowers the total solution cost, while still maintaining comparable RAID protection and full compatibility with Smart Array disk format, configuration utilities, and management/monitoring software.

The Dynamic Smart Array controllers share the same easy and consistent UI with standup Smart Array controllers, thus making storage management and deployment easier for IT administrators.



Models

HPE Dynamic Smart Array RAID Controllers	HPE Dynamic Smart Array B140i Controller
-----------------------------------------------------	------------------------------------------

Embedded on
system board

Standard Features

Key Features

- Only supports SATA drives
- RAID 0, 1, and RAID 5
- RAID support only in UEFI mode
- Legacy boot support only in AHCI mode
- System memory used as read cache
- Smart Array RAID engine runs on OS driver
- Support for migration of drives to Smart Array P-series controllers
- Online drive firmware flash support
- Configurable via HPE Smart Storage Administrator (HPE SSA)

Ports

- Internal: 10 SATA physical links across 2 x4 ports and 2 x1 ports

Warranty

The warranty for this device is based on the server warranty as it is embedded and part of the server.

Pre-Failure Warranty: Drives attached to the Smart Array Controller and monitored under Insight Manager are supported by a Pre-Failure (replacement) Warranty. For complete details, consult the HPE Support Center or refer to your HPE Server Documentation.

Warranty Upgrade Options

- Response - Upgrade on-site response from next business day to same day 4 hours
- Coverage - Extend hours of coverage from 9 hours x 5 days to 24 hours x 7 days
- Duration - Select duration of coverage for a period of 1, 3, or 5 years
- Warranty upgrade options can come in the form of Care Packs, which are sold at the HPE System level this product attaches too

Compatibility

Server Compatibility HPE Dynamic Smart Array B140i controller is offered on all ProLiant Gen9 servers

Operating Systems

- Microsoft Windows Server 2012 R2
- Microsoft Windows Server 2012
- Microsoft Windows Server 2008 R2
- VMware vSphere ESXi 6.0 U2
- VMware vSphere ESXi 5.5 U3
- VMware vSphere ESXi 5.1 U3
- Red Hat Enterprise Linux (RHEL) 7
- Red Hat Enterprise Linux (RHEL) 6
- SUSE Linux Enterprise Server (SLES) 11
- SUSE Linux Enterprise Server (SLES) 10

NOTE: For more information on HPE's Certified and Supported ProLiant Servers for OS and Virtualization Software, please visit our Support Matrix at: <http://www.hpe.com/info/ossupport>

Service and Support

Service and Support

HPE Technology Services

HPE Technology Services offers you technical consultants and support expertise to solve your most complex infrastructure problems. We help keep your business running, boost availability, and avoid downtime.

Protect your business beyond warranty with HPE Pointnext operational services

When you buy HPE Options, it's also a good time to think about what level of service you may need. HPE Pointnext operational services provide total care and support expertise with committed response choices designed to meet your IT and business need.

HPE Foundation Care services deliver scalable support-packages for Hewlett Packard Enterprise industry-standard servers and software. You can choose the type and level of service that is most suitable for your business needs. New to this portfolio is HPE Collaborative Support. If you are running business critical environments, Hewlett Packard Enterprise offers Proactive Care or Critical Advantage. These services help you deliver high levels of application availability through proactive service management and advanced technical response.

Here is the support service recommendation from the Foundation Care and Proactive Care portfolio. For customized support service solution, Hewlett Packard Enterprise can work with you to tailor a service solution for your unique support requirements using broader services portfolio of Foundation Care and Proactive Care.

Recommended HPE Pointnext operational services for optimal satisfaction with your HPE product

Recommended Services 3-Year HPE 24x7 4 hour Response, Proactive Care

Helps optimize your systems and delivers high levels of application availability through proactive service management and advanced technical response. A skilled Technical Manager will own your query or issue end to end until resolved, delivering a single point of contact for you.

OR

3-Year HPE 24x7 4 hour Response, HPE Collaborative Support

Provides problem resolution support across the stack of HW, firmware, and Hewlett Packard Enterprise and 3rd party SW. In case the issue is with 3rd party SW, Hewlett Packard Enterprise does known issue resolution. If Hewlett Packard Enterprise cannot solve the issue, it will contact the third-party vendor and create a problem incident on your behalf

<https://www.hpe.com/h20195/V2/GetPDF.aspx/4AA3-8232ENW.pdf>

HPE Installation of ProLiant Add On Options Service

This easy-to-buy, easy-to-use HPE Care Pack service helps ensure that your new Hewlett Packard Enterprise hardware or software is installed smoothly, efficiently, and with minimal disruption of your IT and business operations.

Related HPE Pointnext operational services to enhance your HPE product experience

Related Services

3-Year HPE 24x7 4 hour Response, Proactive Care

Helps optimize your systems and delivers high levels of application availability through proactive service management and advanced technical response. A skilled Technical Manager will own your query or issue end to end until resolved, delivering a single point of contact for you.

Service and Support

OR

3-Year HPE 24x7 4 hour Response, Hardware Support Onsite Service

Provides you with rapid remote support and if required a Hewlett Packard Enterprise Authorized representative who will arrive on site any time and day of the year to begin hardware maintenance service within 4 hours of the service request being logged.

<https://www.hpe.com/h20195/V2/GetPDF.aspx/5982-6547EEE.pdf>

3-Year HPE 6-hour Onsite Call-to-Repair, HPE Collaborative Support

Offers customers a single point of contact for server problem diagnosis, hardware problem resolution to return the hardware in operating condition within 6 hours of the initial service request to the HPE Global Solution Center, and basic software problem diagnosis, fault isolation, and resolution if available to HPE.

<https://www.hpe.com/h20195/V2/GetPDF.aspx/4AA3-8232ENW.pdf>

HPE Proactive Select Service

Provides a flexible way to purchase HPE best-in-class consultancy and technical services. You can buy Proactive Select Service Credits when you purchase your hardware and then use the credits over the next 12 months.

<https://www.hpe.com/h20195/V2/GetPDF.aspx/4AA2-3842ENN.pdf>

Insight Remote Support Provides 24 X 7 remote monitoring, proactive notifications, and problem resolution. Learn more <http://www.hp.com/go/insightremotesupport>

HPE Support Center Personalized online support portal with access to information, tools and experts to support Hewlett Packard Enterprise business products. Submit support cases online, chat with HPE experts, access support resources or collaborate with peers. Learn more <http://www.hp.com/go/hpsc>

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 Care Pack or Hewlett Packard Enterprise contractual support agreement.

***The Hewlett Packard Enterprise Support Center Mobile App is subject to local availability**

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 HPE due to malfunction.

Warranty / Service Coverage For ProLiant servers and storage systems, this service covers HPE-branded hardware options qualified for the server, purchased at the same time or afterward, internal to the enclosure, as well as external monitors up to 22" and tower UPS products; these items will be covered at the same service level and for the same coverage period as the server unless the maximum supported lifetime and/or the maximum usage limitation has been exceeded. Coverage of the UPS battery is not included; standard warranty terms and conditions apply.

The defective media retention service feature option applies only to Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction. It does not apply to any exchange of Disk or SSD/Flash Drives

Service and Support

that have not failed. SSD/Flash Drives that are specified by HPE as consumable parts and/or that have exceeded maximum supported lifetime and/or the maximum usage limit as set forth in the manufacturer's operating manual or the technical data sheet are not eligible for the defective media retention service feature option.

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.hp.com/services/proliant> or **<http://www.hp.com/services/bladesystem>**

Summary of Changes

Date	Version History	Action	Description of Change
23-Oct-2017	Version 3	Changed	Care Pack naming and Service and Support- Parts and Materials updated.
19-Aug-2016	From Version 1 to 2	Changed	Overview, Standard Features, and Compatibility were revised.



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

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