QuickSpecs
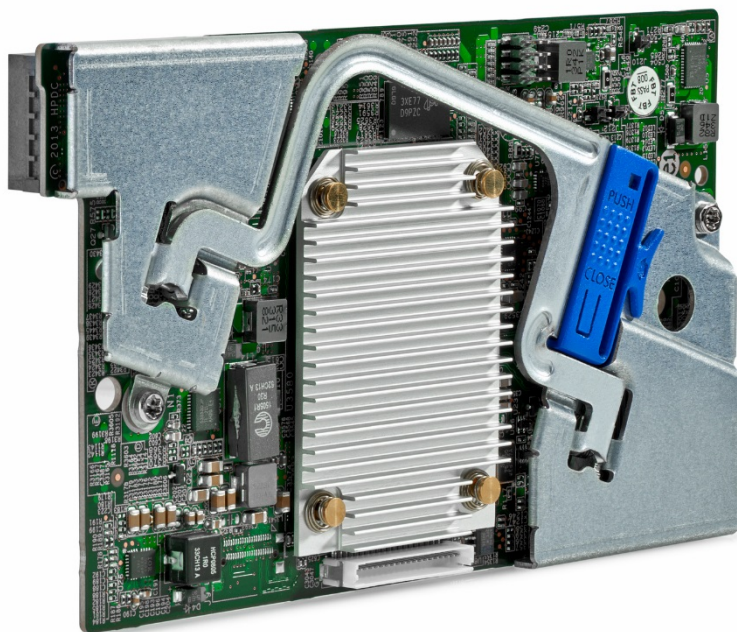
Overview

HPE H244br Host Bus Adapter

The HPE H244br Smart Host Bus Adapter comes in a Flexible Smart SAS HBA form factor that provides a reliable, high performing 12G/s SAS connectivity to the internal drives in the ProLiant BL460c Gen9 server. The H244br Smart Host Bus Adapter provides flexibility to run as an HBA mode or simple RAID mode. When operating in simple RAID mode, it provides RAID 0, RAID 1, and RAID 5 with optional HPE Secure Encryption capabilities. Unlike the HPE Smart Array Controllers, the H244br does not offer any acceleration or support cache modules.

Host Bus Adapter

Model

HPE H244br 12Gb 2-ports Int Smart Host Bus Adapter	726809-B21

Kit contents
- HPE H244br Smart Host Bus Adapter

Standard Features

Key Features	• Storage interface (SAS/SATA)
	    o 2 physical links across 2 x1 internal ports
	    o 12Gb/s SAS, 6Gb/s SATA technology
	    o Mix-and-match SAS and SATA drives to the same controller
	    o Support for SAS tape drives, SAS tape autoloaders and SAS tape libraries
	• PCI Express Gen3 x8 link
	• RAID 0, 1
	• RAID or HBA mode
	• Legacy and UEFI boot operation
	• Up to 2 physical drives
	• Up to 64 logical drives
	• HPE Secure Encryption (optional license)
	• Seamless upgrades to and from other HPE Smart Array controllers
	• PCI Express flexible card
	    o Dimensions: 5.3 x 3.6 x 1.2 in (13.46 x 9.04 x 3.12 cm)

Ports	Internal: 2 SAS/SATA physical links across 2 x1 internal ports

Performance	• 12Gb/s SAS (1200 MB/s theoretical bandwidth per physical lane) • 6Gb/s SATA (600 MB/s theoretical bandwidth per physical lane) • x8 PCIe 3.0 provides 8GB/s maximum bandwidth

HPE Secure Encryption	HPE Secure Encryption is a Smart Array controller-based data encryption solution for ProLiant Gen9 servers that protects sensitive, mission critical data. This is an enterprise-class encryption solution for data at rest on any bulk storage attached to the HPE Smart Array controllers including data on the cache memory of the controller. HPE Secure Encryption is an optional license per server requiring encryption enablement (see Related Options for more information on the license). The solution is available for both local and remote key management mode deployments. Local Key Management Mode is focused on single server deployment where there is one Master key per controller that is managed by the user. Remote Key Management Mode is for enterprise wide deployments from just a few servers to thousands of servers. For more information please visit **https://www.hpe.com/us/en/product-catalog/detail/pip.6532260.html**

Warranty	The warranty for this device is 1 year parts only. **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 Support

HPE ProLiant BL460c Gen9
HPE ProLiant XL450 Gen9

Operating Systems

Microsoft Windows Server
Microsoft Windows Hyper-V Server
VMware vSphere ESXi
Red Hat Enterprise Linux (RHEL)
SUSE Linux Enterprise Server (SLES)
Oracle Solaris
Oracle Linux
Canonical Ubuntu
CentOS
Wind River
Citrix XenServer

NOTE: For a complete and up-to-date list of certified and supported OS versions for HPE Smart Array controllers, please refer to the HPE Smart Array Operating System Support Matrix at: **http://www.hpe.com/h20195/v2/GetPDF.aspx/4AA6-6550ENW.pdf**
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**

Software Suite

HPE Smart Storage Administrator (HPE SSA)
Comprehensive management for HPE Smart Storage products with advanced scripting and diagnostic features and simplified and intuitive interface and functionality. For more information please visit: **http://www.hpe.com/servers/ssa**

HPE Systems Insight Manager
Powerful server and server options/storage manager tool with configuration/diagnostic utilities

HPE Storage Management Utility
Offers the simplest method for configuring the storage system via Initial System Configuration Wizard

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.

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 Pointnext operational 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

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

Service and Support

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://h20565.www2.hpe.com/portal/site/hpsc/public/psi/home?sp4ts.oid=5211911&ac.admitted=1507816040466.125225703.1851288163**
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://h20565.www2.hpe.com/portal/site/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 Pointnext operational 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 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.
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 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.

Service and Support

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: **https://www.hpe.com/us/en/support.html**
or **https://www.hpe.com/us/en/services/operational.html**

Summary of Changes

Date	Version History	Action	Description of Change
15-Oct-2018	Version 5	Changed	SKU Descriptions were updated
04-Jun-2018	Version 4	Changed	SKU description and Standard Features were updated.
23-Oct-2017	Version 3	Changed	Care Pack naming and Service and Support- Parts and Materials updated.
19-Aug-2016	Version 2	Changed	Overview, Standard Features, and Compatibility were revised.
09-Sep-2014	Version 1	New	Initial version.

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