



# **HPE Smart Array controllers for HPE ProLiant servers and Synergy Compute Modules**

HPE Smart Storage product family

## **HPE Smart Array Controllers**

The HPE Smart Array 12 Gb/s SAS RAID controllers provide enterprise-class storage performance, increased internal storage scalability, and data protection for HPE ProLiant Rack, Tower, BladeSystem, and Apollo servers and Synergy Compute Modules. Smart Array controllers deliver increased server uptime by providing advanced storage functionality, including online RAID level migration between any RAID levels with flash-backed write cache (FBWC), global online spare, and pre-failure warnings.

## **HPE Smart Host Bus Adapters**

Perfect for environments that require fast access, HPE Smart Host Bus Adapters (HBAs) provide cost-effective and reliable high-performance SAS connectivity to direct attached storage, shared storage, and tape drives for HPE ProLiant servers running Hadoop, Database Availability Group, VMware vSAN, and Microsoft Storage Spaces. Smart Host Bus Adapters are a perfect conduit for deploying software-defined storage as a means to manage the IT storage pool. For greater flexibility, HPE Smart Host Bus Adapters are capable of running in either HBA or simple RAID mode.

## **HPE Dynamic Smart Array Software RAID**

HPE Dynamic Smart Array provides an embedded SATA software RAID solution for HPE ProLiant Gen9 servers. The common metadata format on the drives allows disks to migrate from Dynamic Smart Array to Smart Array controller or Smart Host Bus Adapter (when running in RAID mode) if needed, to achieve higher performance, capacity, and availability. This controller is ideal for supporting boot device and applications that do not require a significant I/O workload.

**Gen9 Servers**

	B140i	H240ar	P440ar	P840ar	H240	P440/2GB	P440/4GB	P840	H241	P441	P841	H244br	P244br	P246br	P741m	H240nr	P240nr	P542D
HPE ProLiant DL20 Gen9	✓				✓	✓	✓		✓	✓	✓							
HPE ProLiant DL60 Gen9	✓				✓	✓	✓		✓	✓								
HPE ProLiant DL80 Gen9	✓				✓	✓	✓	✓	✓	✓	✓							
HPE ProLiant DL120 Gen9	✓				✓	✓	✓		✓	✓								
HPE ProLiant DL160 Gen9	✓				✓	✓	✓		✓	✓								
HPE ProLiant DL180 Gen9	✓				✓	✓	✓	✓	✓	✓	✓							
HPE ProLiant DL360 Gen9	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓							
HPE ProLiant DL380 Gen9	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓							
HPE ProLiant DL560 Gen9	✓	✓	✓		✓		✓	✓	✓	✓	✓							
HPE ProLiant DL580 Gen9	✓				✓				✓									
HPE ProLiant ML10 Gen9	✓								✓									
HPE ProLiant ML30 Gen9	✓				✓	✓	✓		✓	✓								
HPE ProLiant ML110 Gen9	✓				✓	✓	✓	✓	✓	✓	✓							
HPE ProLiant ML150 Gen9	✓				✓	✓	✓	✓	✓	✓	✓							
HPE ProLiant ML350 Gen9	✓	✓	✓		✓		✓	✓	✓	✓	✓							
HPE ProLiant Apollo 4200 Gen9	✓				✓		✓		✓	✓	✓							
HPE ProLiant Apollo 4500 Gen9	✓				✓		✓	✓	✓	✓	✓	✓						
HPE ProLiant Apollo 6000 Gen9	✓				✓		✓		✓	✓								
HPE ProLiant Apollo 6500 Gen9	✓				✓		✓		✓	✓								
HPE ProLiant BL460c Gen9	✓											✓	✓		✓			
HPE ProLiant BL660c Gen9	✓													✓	✓			
HPE Synergy 480 Gen9	✓															✓	✓	✓
HPE Synergy 620 Gen9	✓															✓	✓	✓
HPE Synergy 660 Gen9	✓															✓	✓	✓
HPE Synergy 680 Gen9	✓															✓	✓	✓

## Gen8 Servers

	P222	P420	P430	P421	P431	P822	P830	P721m	P731m	P220i	P230i	P420i	P830i
HPE ProLiant DL160 Gen8	✓	✓		✓		✓							
HPE ProLiant DL320e Gen8	✓	✓		✓									
HPE ProLiant DL320e Gen8 v2	✓			✓	✓	✓							
HPE ProLiant DL360e Gen8	✓	✓	✓	✓	✓	✓							
HPE ProLiant DL360p Gen8	✓		✓	✓	✓	✓						✓	
HPE ProLiant DL380e Gen8	✓	✓	✓	✓	✓	✓	✓						
HPE ProLiant DL380p Gen8	✓	✓	✓	✓	✓	✓	✓					✓	
HPE ProLiant DL385p Gen8	✓	✓	✓	✓	✓	✓	✓					✓	
HPE ProLiant DL560 Gen8	✓	✓	✓	✓	✓	✓	✓					✓	
HPE ProLiant DL580 Gen8			✓		✓		✓						✓
HPE ProLiant ML310e Gen8	✓	✓		✓									
HPE ProLiant ML350e Gen8	✓	✓		✓		✓							
HPE ProLiant ML350e Gen8 v2	✓	✓	✓	✓	✓	✓	✓						
HPE ProLiant ML350p Gen8		✓	✓	✓	✓	✓	✓					✓	
HPE ProLiant BL420c Gen8								✓	✓	✓			
HPE ProLiant BL460c Gen8								✓	✓	✓	✓		
HPE ProLiant BL465c Gen8								✓	✓	✓			
HPE ProLiant BL660c Gen8								✓	✓	✓			
HPE ProLiant WS460c Gen8										✓	✓		
HPE ProLiant MicroServer Gen8	✓												

To learn more about the HPE Smart Array Controllers, visit:  
[hpe.com/servers/smartarray](http://hpe.com/servers/smartarray)

## Support matrix



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