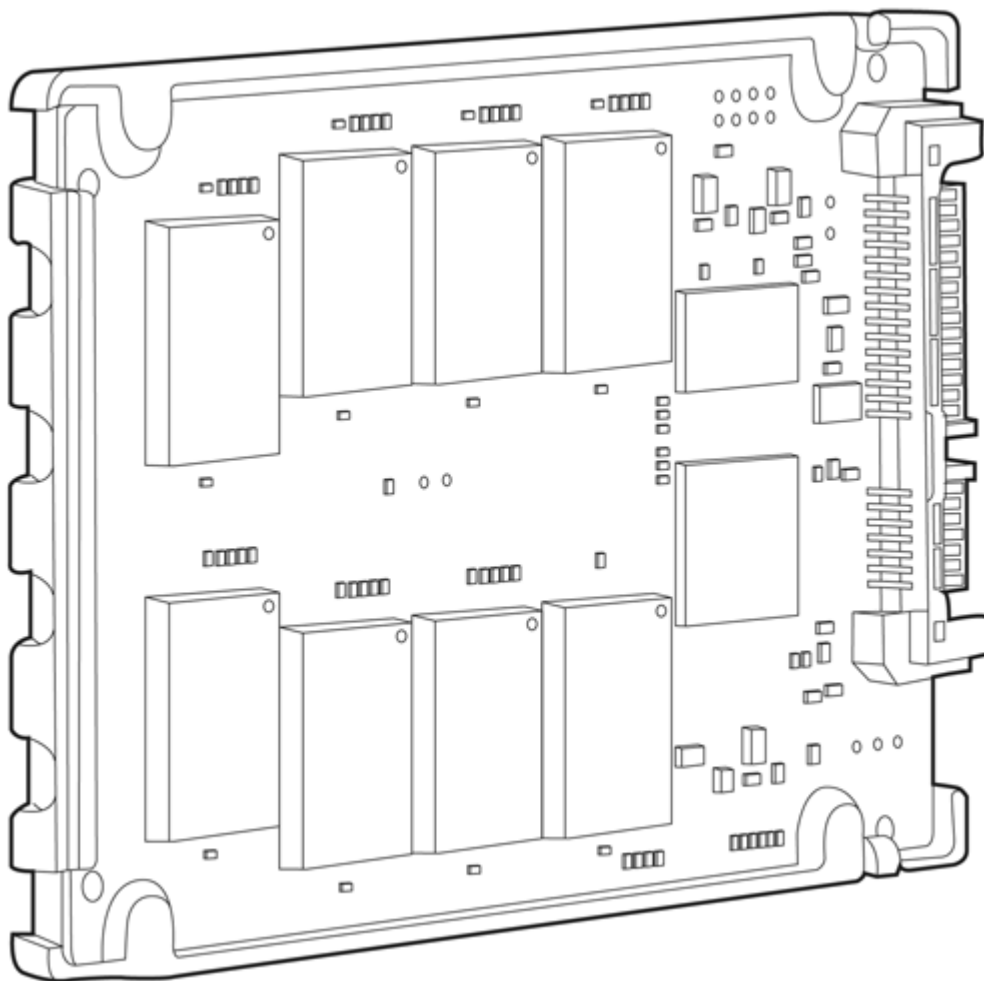


Overview

HP is introducing the next generation of solid state drives for ProLiant servers. These solid state drives are 3Gb/second SATA interface in both 60GB and 120GB capacities. The products, based on NAND Single Level Cell (SLC) flash technology are available as SFF and LFF hot plug devices on the HP universal drive carrier for general use across the ProLiant portfolio. These drives deliver higher performance, lower latency and low power solutions when compared with traditional rotating media and fit seamlessly into the existing HP server infrastructure.



Models

SATA Hot Plug Midline (MDL) Solid State Drives

HP 60GB 3G SATA 2.5in MDL 1y Wty SSD

572071-B21

HP 120GB 3G SATA 2.5in MDL 1y Wty SSD

572073-B21

SATA Hot Plug 3.5" Midline (MDL) Solid State Drives

HP 60GB 3G SATA 3.5in MDL 1y Wty SSD

570761-B21

HP 120GB 3G SATA 3.5in MDL 1y Wty SSD

570763-B21

Standard Features

What is SSD?

An enduring data storage device using semiconductor technology to store and access data which is non-volatile without the aid of an auxiliary power source.

Drive Quality

Today's distributed enterprise is seeing larger, more complex applications, an increase of mission-critical data moving to the server, increasing demand for transaction processing and critical server consolidation. In this environment, storage has become a critical component of the information system, significantly defining both the systems reliability and performance. This is why HP drives undergo an intense qualification process that eliminates firmware and O/S incompatibilities. All drive firmware is specific to our drives and is designed to maximize both functionality and compatibility. All our drives are proven to be reliable and tuned for optimum performance in the HP equipment for which they were designed.

Integration

Many issues customers have with third party drives are "simple" integration issues. When buying from another supplier, there is no guarantee that a drive has been correctly set for proper operation with ProLiant servers and storage systems. These incompatibilities can create problems in configuration, can rob your system of performance, or at their worst, can cause you to lose data. HP drives are specifically designed and tested for flawless operation in your HP equipment. The integration of hard drives in HP systems means that associated components are right for your ProLiant server.

Support Matrix

Please see the following URL for the latest list of supported servers and enclosures:

<http://h18004.www1.hp.com/products/servers/proliantstorage/drives-enclosures/docs/index.html>

Service and Support, HP Care Pack, and Warranty Information

Warranty

SSD Midline drives have a 1 year limited warranty regardless of the warranty period for the system in which they are installed.

Support Services

Care Pack services provide a range of life cycle support options that let you choose the service levels that meet your business requirements, from basic to mission-critical.

A full range of HP Care Pack hardware and software services are available including:

- Installation and start up
- Education courses
- Extended onsite hardware coverage hours from same business day 13 ours, 5 day to 24 hours, 7 days call window with options including 4-hour response or 6-hour Call-To-Repair.
- Comprehensive range of software technical support for Microsoft, Linux, ProLiant Essentials, and VMWare-based IT solutions helping to deliver high level of application availability. Response times ranging from 30 minutes for critical problems to 2 hours.
- System Management, Performance Services and Mission Critical Support Solution

NOTE: For more information on HP Care Pack services, contact any of our worldwide sales offices or resellers or visit our worldwide Web site on the internet at: <http://www.hp.com/hps/carepack>

NOTE: For more complete information on HP Services offerings, customers and resellers, please visit us at: <http://www.hp.com/hps>

NOTE: Additional information regarding worldwide limited warranty and technical support is available at: <http://h18004.www1.hp.com/products/servers/platforms/warranty/index.html>

Technical Specifications

SATA Hot Plug Midline (MDL) Solid State Drives

Application Information Solid State Drives offer high performance, low latency, low power solutions that fit seamlessly into the HP server infrastructure using HP's universal hot plug drive carrier

HP 60GB 3G SATA 2.5in MDL 1y Wty SSD 572071-B21	60GB	Capacity	60GB		
		Height	15mm		
		Length x Width	Standard SFF		
		Interface	SATA		
		Transfer Rate Synchronous (Maximum)	3Gbs		
		Performance	Rotational Speed	N/A	
			Random Reads	>20,000 IOP/s	
			Random Writes	>5,000 IOP/s	
			Sequential Reads	230MB/s	
			Sequential Writes	180MB/s	
		Physical Configuration	Logical Blocks	512 bytes	
		Power	2W		
		Operating Temperature	0-60°C		

HP 120GB 3G SATA 2.5in MDL 1y Wty SSD 572073-B21	120GB	Capacity	120GB		
		Height	15mm		
		Length x Width	Standard SFF		
		Interface	SATA		
		Transfer Rate Synchronous (Maximum)	3Gbs		
		Performance	Rotational Speed	N/A	
			Random Reads	>20,000 IOP/s	
			Random Writes	>5,000 IOP/s	
			Sequential Reads	230MB/s	
			Sequential Writes	180MB/s	
		Physical Configuration	Logical Blocks	512 bytes	
		Power	2W		
		Operating Temperature	0-60°C		

SATA Hot Plug 3.5" Midline (MDL) Solid State Drives

Application Information Solid State Drives offer high performance, low latency, low power solutions that fit seamlessly into the HP server infrastructure using HP's universal hot plug drive carrier

QuickSpecs

HP Solid State Drive (SSD) for ProLiant Server

Technical Specifications

HP 60GB 3G SATA 3.5in MDL 1y Wty SSD 570761-B21	60GB	Capacity	60GB	
		Height	15mm	
		Length x Width	Standard SFF	
		Interface	SATA	
		Transfer Rate Synchronous (Maximum)	3Gbs	
		Performance	Rotational Speed	N/A
			Random Reads	>20,000 IOP/s
			Random Writes	>5,000 IOP/s
			Sequential Reads	230MB/s
			Sequential Writes	180MB/s
		Physical Configuration	Logical Blocks	512 bytes
		Power	2W	
Operating Temperature	0-60°C			

HP 120GB 3G SATA 3.5in MDL 1y Wty SSD 570763-B21	120GB	Capacity	120GB	
		Height	15mm	
		Length x Width	Standard SFF	
		Interface	SATA	
		Transfer Rate Synchronous (Maximum)	3Gbs	
		Performance	Rotational Speed	N/A
			Random Reads	>20,000 IOP/s
			Random Writes	>5,000 IOP/s
			Sequential Reads	230MB/s
			Sequential Writes	180MB/s
		Physical Configuration	Logical Blocks	512 bytes
		Power	2W	
Operating Temperature	0-60°C			

Environment-friendly Products and Approach

End-of-life Management and Recycling

Hewlett-Packard offers end-of-life HP product return, trade-in, and recycling programs in many geographic areas. For trade-in information, please go to: <http://www.hp.com/go/green>. To recycle your product, please go to: <http://www.hp.com/go/green> or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner.

The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard web site at: <http://www.hp.com/go/green>. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.



Technical Specifications

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The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

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