

Overview

A variety of tested, HP-qualified, SMART capable, ATA 100 Hard Drives offering data integrity and availability in a non-pluggable model. The 60 GB 5,400 RPM ATA hard disk drive provides a cost effective solution for customers with increasing capacity requirements for their p-class server blades.

All HP hard drives pass a rigorous qualification process, which ensures that every to perform in your ProLiant server. Before final certification, all HP Parallel-ATA hard drives are optimized for compatibility and functionality, including support of SMART and HP Systems Insight Manager.

NOTE: Please check individual server [QuickSpecs](#) for complete hard drive certification lists.

Models

HP 60GB 100 ATA 5.4K NHP 2.5" HDD

354052-B21

Standard Features

Drive Quality

Today's servers and blades are seeing an increase in maximum storage capacity, per hard disk drive, requiring higher levels of data integrity. In the often-changing server environment, storage has become a critical component of the information system, significantly defining the system's reliability. This is why HP drives undergo an intense qualification process that eliminates data integrity problems, firmware and O/S incompatibilities and other causes of data corruption. All drives are proven to perform in the ProLiant systems for which they were designed.

Performance

Only those drives whose quality is suitable for a server or blade environment are selected through the HP qualification process. All our drives are proven to be reliable in the ProLiant server environment.

Integration

Many issues customers have with third party Parallel-ATA 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. These incompatibilities can create problems in configuration, can rob your system of performance, or at their worst, can result in data corruption. HP hard drives are specifically designed and tested for flawless operation in your HP equipment. The integration of hard drives in ProLiant systems means that cables, controllers, and firmware are right for your ProLiant server.

Server and Storage Support

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

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>

ATA 100 Hard Drives

Application Information

60GB ATA 100 5,400 rpm Hard Drive (2.5")
354052-B21

60 GB 5,400 rpm

Capacity	60,000 MB	
Height	9.5 mm	
Width	70 mm	
Interface	ATA 100	
Transfer Rate Synchronous (Maximum)	100 MB/s	
Seek Time (typical reads, including settling)	Single Track	1.5 ms
	Average	12 ms
	Full-Stroke	22 ms
	Rotational Speed	5,400 rpm
Physical Configuration	Bytes/Sector	512
	Logical Blocks	117,210,240
Operating Temperature	41° to 131° F (5° to 55° C)	

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