

# HP ProLiant DL100 G2 Storage Server

Data sheet



The HP ProLiant DL100 G2 Storage Server offers an entry-level networked attached storage (NAS) solution that is both easy to use and that can be rapidly deployed. Providing networked storage and support for multi-protocol file sharing and print serving which is ideal for a small workgroup, small business or a remote office.

The DL100 G2 Storage Server is pre-configured and optimized allowing the server to be up and running in

minutes. The Microsoft® Windows® Storage Server 2003 operating system is pre-installed and includes storage specific management tools for ease-of-use.

In a small user environment, the DL100 G2 Storage Server acts as a file server hosting local user files. The DL100 G2 Storage Server also can act as a local print server. With the optional iSCSI Feature Pack, the DL100

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# A network attached storage (NAS) system for small workgroups, small businesses or remote offices that is designed for ease of use and rapid deployment in a space saving 1U rack mount design.

G2 Storage Server can also host block based storage for Exchange, SQL, and Oracle databases.

For business continuity and data protection, optional HP OpenView Storage Mirroring software can be used to replicate data to and from the DL100 G2 Storage Server with a central office.

The DL100 G2 Storage Server offers customers quick restore functionality via DVD and dual-operating system (OS) partitions. In the event the DL100 G2 Storage Server needs to be restored, a Quick Restore DVD allows you to be up and running with a factory default image in minutes.

HP offers a complete portfolio of services ranging from Storage Design and Architecture to various levels of on-going maintenance support. These services, for both hardware and software, ensure high performance and reliability.

## Key features and benefits

- **Storage specific web-based GUI**—Offers consolidated, intuitive access to basic storage server functionality that novice administrators are most likely to need.
- **Storage management tools include; Directory Quotas, File Screening, Storage Reporting**—Allows administrator to set directory quotas and filter out unwanted content as well as generate reports on disk usage, wasted space, file ownership and security.

- **Remote manageability**—Administrators can manage the storage server functions remotely via a web GUI or remote desktop. Administrators can manage and monitor the storage server hardware components via an Intelligent Platform Management Interface (IPMI 2.0) compliant management port.
- **Windows Storage Server 2003 Operating System pre-installed**—Plug and play integration into the network. Fully integrated with Microsoft Active Directory and DFS environments.
- **Pre-configured user storage**—Set up file shares and begin file serving in minutes.
- **Rapid start-up Wizard**—Streamlines configuration settings during installation.
- **Multi-protocol file serving**—Support for SMB/CIFS, NFS, HTTP, FTP, AppleTalk, and NetWare file protocols allows the DL100 G2 Storage Server to be deployed in wide range of heterogeneous file serving environments.
- **External disk drive enclosure support**—Low cost, pay as you grow storage expansion capability using a HP StorageWorks Modular Smart Array 20 (MSA20) enclosure and SATA hard disk drives
- **Print server support**—Consolidate file and print servers for lower hardware and administrative costs.
- **iSCSI target support**—Consolidate file, print, and block-based storage on a single storage server for lower hardware and administrative cost.

## HP ProLiant DL100 G2 Storage Server



<b>Form factor</b>	1U
<b>Processor</b>	One Intel Celeron 2.8 GHz single core/800 MHz FSB – 320GB and 640GB models One Intel Pentium 2.8 GHz dual core/800 MHz FSB – 1TB model
<b>Cache memory</b>	256 KB L2 (320 GB and 640 GB Celeron models) 2 MB L2 (1TB Pentium model)
<b>Memory/maximum</b>	512 MB/4 GB (320 GB and 640 GB models) 1 GB/4 GB (1 TB model)
<b>Protocol</b>	SMB/CIFS, NFS, AppleTalk, NetWare, HTTP, FTP, WebDAV
<b>Expandable capacity</b>	4 TB, 1 TB model plus Smart Array 6402, MSA20 Storage Enclosure with 12 x 250 GB hard drives
<b>Network controller</b>	Broadcom 5751 dual port 10/100/1000 NIC (embedded)
<b>Storage controller</b>	Embedded SATA Controller (320GB Model) 4 Port SATA RAID Controller in a slot (640GB and 1TB Models) Smart Array 6402 in a slot (for external storage)
<b>Internal storage</b>	2 x 160 GB (320 GB model), 4 x160 GB (640 GB model), 4 x 250 GB (1 TB model)
<b>External storage</b>	MSA20
<b>Total raw capacity</b>	320 GB, 640 GB or 1 TB
<b>RAID</b>	Software: RAID 0 and 1 (320 GB model) Hardware: RAID 0, 1, 0+1, and 5 (640 GB and 1 TB models)
<b>Fault tolerant features</b>	Hot pluggable hard drives, RAID, dual OS partition for data protection

### Ordering information

Product number/SKU	Product name
397586-B21	320 GB DL100 G2 Storage Server
397587-B21	640 GB DL100 G2 Storage Server
397588-B21	1 TB DL100 G2 Storage Server

### Options:

390825-B21	512 MB of PC4200 DDR SDRAM DIMM Memory Kit (1 x 512 MB)
390824-B21	1024 MB of PC4200 DDR SDRAM DIMM Memory Kit (1 x 1024 MB)
377825-B21	WSS2003 Workgroup to Standard License upgrade
397590-B21	1 TB DL100 G2 external SATA enclosure

### What's included

The DL100 G2 Storage Server ships with a single Intel Celeron® or Pentium® 4 processor, 512 MB or 1 GB of memory (depends on model), pre-installed Windows Storage Server 2003 (Workgroup or Standard Edition) OS including services for UNIX 3.5 and Storage Manager 2.0, hardware RAID controller (640 GB and 1 TB models only) 2 or 4 Serial ATA (SATA) hard disk drives (depends on model), built in 8X DVD-ROM, Dual Port 10/100/1000 NIC, 4 USB connectors, 9 chassis fans, and a single 350W power supply,

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## Warranty and services

The HP ProLiant DL100 G2 Storage comes with a 3-1-1 warranty (3 years parts exchange, 1 years labor and on-site, next business day response) for product hardware.

Note that standard HP warranty ensures Software media will be free of physical defects for a period of 90 days from delivery. However the HP ProLiant DL100 G2 Storage Server products all come with a full year of 9 hours by 5 days software advisory and remedial software telephone support, new version license rights, and media and documentation distribution service.

The HP ProLiant DL100 G2 Storage Server product software support can be uplifted to include:

- SW Phone-In, 24x7, 2 hour call back
- SW Support for Storage, 24x7, 2 hour call back

For more information about HP's Global Limited Warranty and Technical Support, visit [ftp://ftp.compaq.com/pub/products/storageworks/warranty/EN\\_321708-008.pdf](ftp://ftp.compaq.com/pub/products/storageworks/warranty/EN_321708-008.pdf)

HP offers a portfolio of services ranging from Storage Design and Architecture that provides a complete multi-site design and implementation, to various levels of on-going maintenance support. Additionally the basic warranty service can be enhanced and/or HP Installation services can be purchased.

## HP Care Pack Services

HP Care Pack Services offer upgraded service levels to extend and expand your standard product warranty with easy to buy, easy to use support packages that help you make the most of your hardware and software investments. They let you choose the support levels that meet your business requirements, from basic to mission-critical. They help you contain total cost of ownership. HP Care Pack warranty extensions can be purchased along with HP products to cost-effectively upgrade or extend your warranty. For many products, post-warranty HP Care Pack Services are available when your original warranty has expired. *HP Care Pack availability may vary by country and product.*

### Why purchase an HP Care Pack service?

Your standard warranty protects against product defects. HP Care Pack Services help you guard against unplanned downtime, which can reduce your productivity and profitability. These convenient service packages:

- Protect your investment in HP products
- Provide consistent, predictable levels of support across your entire department or business
- Ease budget planning with fixed-cost support that includes parts and labor
- Give you direct access to proven technical and problem-solving expertise
- Offer a choice of response-time and repair-time commitments
- Deliver prompt, measurable results
- Are available whenever and wherever you do business

*HP Care Pack availability may vary by country and product.*

Additional information about HP Care Pack Service features and benefits is available at <http://www.hp.com/hps/carepack/services>

## eSupport

HP eSupport is a portfolio of technology-based services that assist you with managing your business environment—from the desktop to the data center. *Support portal:* The HP support portal provides one-stop access to the information, tools and services you need to manage the daily operations of your IT environment. Features include: Access to self-solve tools (including search technical knowledge base); efficient logging and tracking of support cases; collaboration with other business and IT professionals; download of patches and drivers; access to diagnostic tools; and proactive notification of relevant information. Access to certain features of the support portal requires an HP service agreement. To access the support portal, visit [www.hp.com/support](http://www.hp.com/support) *HP Instant Support Enterprise Edition (ISEE)* provides a single remote monitoring and support solution for your IT data center. ISEE uses continuous hardware event monitoring and automated notification to identify and prevent potential critical problems. ISEE is a feature of HP Hardware Support Onsite Service with Next-Day response or better, Proactive Essentials, Proactive 24, Critical Service and warranty support for the selected products. For more information or to download ISEE, visit [www.hp.com/go/instant-support](http://www.hp.com/go/instant-support)

## HP education services

For more information about HP Education Services for Storage and SAN, visit <http://education.hp.com/curr-storsan.htm>

## Additional services information

For more information about Deployment, Per Event, Consulting and Education services for HP Storage, visit [www.hp.com/hps/storage/](http://www.hp.com/hps/storage/)  
For more information about HP Care Pack Services for Storage, visit [www.hp.com/hps/carepack/storage/cp\\_networked.html](http://www.hp.com/hps/carepack/storage/cp_networked.html)  
For more information about HP Storage Software, services and updates, visit <http://h18006.www1.hp.com/storage/software.html>  
If you have specific questions, contact your local HP representative. Contact information for a representative in your area can be found at "Contact HP" on [www.hp.com](http://www.hp.com)

## Financial Services

HP Financial Services provides innovative financing and financial asset management programs to help you cost-effectively acquire, manage, and ultimately retire your HP solutions. For more information on these services, please contact your HP sales representative or find us on the web at: [www.hp.com/go/hpfinancialservices](http://www.hp.com/go/hpfinancialservices)

## HP Customer Support

HP Customer Support provides a broad spectrum of services to commercial and enterprise customers, including performance and availability services such as proactive mission-critical services and support management services for deployment of the entire IT infrastructure, including HP and multivendor environments. For more information on these services, contact your HP sales representative or visit [www.hp.com/hps/support](http://www.hp.com/hps/support)

## For more information

For more information on HP ProLiant Storage Server family visit <http://www.hp.com/go/storage-server>

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For more information visit [www.hp.com/go/storage-server](http://www.hp.com/go/storage-server)

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