The HP StorageWorks XP128 Disk Array features no-single-point-of-failure and non-disruptive online upgrades to ensure that data is “always available.” The scalable design allows organizations with high storage capacity and continuing growth expectations to meet needs today and tomorrow. The XP128 Disk Array scales up to 128 disk drives in a single cabinet system, providing up to 36 TB of usable storage capacity in an efficient use of data center floor space. The XP128 Disk Array uses an advanced crossbar fault-tolerant architecture, resulting in outstanding levels of random and sequential I/O operations for database, OLTP, SAP, Oracle®, and messaging workloads.

The XP128 Disk Array supports heterogeneous connectivity, including HP-UX, Microsoft® Windows®, Linux®, Tru64, OpenVMS, NonStop, and Mainframe operating systems. The XP128 Disk Array also supports array-to-array local and remote copying of data, enabling two- and three-site disaster-tolerant configurations. When one array becomes unavailable due to a disaster, the data is still available from the other array in a remote location. World-class service and support offerings meet the most demanding storage needs, including storage consolidation and disaster recovery applications.

HP StorageWorks XP128 Disk Array is a state-of-the-art storage solution that delivers outstanding reliability, availability, and the highest performance in its class.
The scalable design of the HP StorageWorks XP128 Disk Array allows organizations with high storage capacity and continuing growth expectations to meet needs today and tomorrow.

Key features and benefits

- **Manageable:** Manages many arrays from a single web-based management station
- **Upgradeable:** Scales from five drives to 128 drives, four drives at a time, with no interruptions to applications or hosts
- **Serviceable:** Replaces any component online with no interruption to applications or hosts
- **Reliable:** Provides extreme reliability and availability with redundant hot-replaceable processors, I/O interfaces, power supplies, batteries, and control processors
- **Open:** Supports multiple operating systems, including HP-UX, Linux, Microsoft Windows, OpenVMS, HP Tru64, Sun Solaris, IBM AIX, Novell NetWare, SGI IRIX, NonStop, and Mainframe
- **Flexible:** Supports a mixture of disk drives, RAID levels and 1-2 Gb/s Fibre Channel (FC), iSCSI, FICON, and ESCON host connections
- **Scalable:** Scales up to 128 disk drives or over 36 TB of storage capacity in a single array to accommodate growing storage needs
- **Cost-effective:** Increases productivity with higher throughput speeds, zero downtime, a compact footprint, and ease of management
**HP StorageWorks XP128 Disk Array**

**Number of disk drives**
5–128 in a single cabinet

**Disk drives**
- 36 GB (15K rpm), 73 GB (10K rpm), 73 GB (15K rpm), 146 GB (10K rpm), 300 GB (10K rpm)

**RAID level**
- RAID 0/1 (2D+2D, 4D+4D) and RAID 5 (3D+1P, 7D+1P)

**Maximum number of LDEVs**
8,192

**Capacity**
- 144 GB to 36 TB (raw)
- 72 GB to 32 TB (usable)

**Cache memory**
2 GB to 64 GB

**Cache memory battery backup time**
48 hours, minimum

**Shared memory**
512 MB to 4 GB

**Shared memory battery backup time**
7 days, minimum

**Connectivity**
- Fibre Channel, iSCSI, FICON, and ESCON

**Maximum number of FC ports**
48

**Maximum number of ACP pairs**
2

**Operating systems**
- HP-UX, Microsoft Windows, Linux, OpenVMS, Mainframe, Tru64, NonStop, Netware, Solaris, AIX, IRIX

**Data transfer rate (FC)**
- Up to 200 MB/sec per host port

**Random I/Os per second**
- Up to 375K IOPs

**Sequential data transfer rate**
- Up to 1.1 GB/sec (cache avoidance)
- Up to 2.4 GB/sec (100% cache hits)

**Dimensions (HxWxD)**
73.2 x 30.8 x 31.5 in / 1,860 x 782 x 800 mm

**Accessories**
An extensive list of accessories is available for this product; for more information, please contact your HP sales representative.

**Safety**
This product meets all applicable safety and regulatory specifications.

**Software**
- HP StorageWorks Command View XP
- HP StorageWorks LUN Configuration & Security Manager XP
- HP StorageWorks Performance Advisor XP
- HP StorageWorks Performance Control XP
- HP StorageWorks LUN Security XP Extension
- HP StorageWorks Cache LUN XP
- HP StorageWorks Auto LUN XP
- HP StorageWorks Data Exchange XP
- HP StorageWorks Business Copy XP
- HP StorageWorks Continuous Access XP/XP Extension
- HP StorageWorks Resource Manager XP
- HP StorageWorks RAID Manager XP
- HP StorageWorks Flex Copy XP
- HP StorageWorks Secure Path XP/Auto Path XP
- HP StorageWorks Cluster Extension XP
- HP StorageWorks XP Data Shredder
- HP Storage Essentials
- HP OpenView Storage Area Manager
- HP OpenView Storage Data Protector
- HP OpenView Storage Media Operations
## Ordering information

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<td>A7875A</td>
<td>HP StorageWorks XP128 Disk Array</td>
<td>For new XP128 orders</td>
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<tr>
<td>A7873A</td>
<td>HP StorageWorks XP1024/XP128 Upgrade</td>
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### What’s included

- XP128 Disk Array control frame with 2 GB cache, 512 MB shared memory, basic ACP pair, redundant power supplies, HP Continuous Track XP, modem, pcAnywhere, owner’s guide manual, XP operating system configuration guide CD, RAID Manager library, and other ordered accessories

### Warranty and support

- Site preparation
- Array installation and startup
- Proactive 24 Support, one (1) year
- Reactive hardware support, 24 x 7, two (2) years
- Software support, one (1) year (included with software title)
- An extensive list of optional services tailored for XP disk arrays are available; please contact your HP sales representative.

### 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 visit: [www.hp.com/go/hpfinancialservices](http://www.hp.com/go/hpfinancialservices)

### For more information

- For more information on HP StorageWorks disk array software, contact any of our worldwide sales offices, or visit: [www.hp.com/go/storageworks/software](http://www.hp.com/go/storageworks/software)
- For more information on HP StorageWorks XP128 Disk Array, contact any of our worldwide sales offices, or visit: [www.hp.com/go/storage](http://www.hp.com/go/storage)