

# HP StorageWorks XP Disk/Cache Partition

Data sheet



XP Disk/Cache Partition Software allows the disk array to be divided into multiple, independent partitions, with each partition having its own host ports, disk parity groups and cache.

# Eliminate contention for valuable storage resources through array partitioning

As businesses strive to improve operational efficiency, consolidation of servers and storage becomes an attractive option. HP StorageWorks XP Disk/Cache Partition enables storage administrators in large consolidated storage environments to host multiple diverse user groups on one XP disk array while maintaining appropriate isolation between applications. HP StorageWorks XP Disk/Cache Partition allows storage administrators to subdivide a large HP StorageWorks XP12000 or XP10000 disk array or SVS200 into smaller independently configured and managed storage segments. Applications that would normally compete for resources can share a single disk array without impacting each other. Departments can share a single disk array confident that administrators cannot affect portions of the disk array that belong to someone else.

XP Disk/Cache Partition allows the disk array to be divided into multiple, independent partitions, with each partition having its own host ports, disk parity groups and cache. Administrator access can be restricted to specific partitions, with each partition being separately configured and managed. XP Disk/Cache Partition allow companies to consolidate a variety of online storage needs onto one central XP disk array, confident that the quality of service and data security requirements of each user can be maintained.

## Features and Benefits

### Consolidation

- XP Disk/Cache Partition enhances the success of storage consolidation efforts by providing the ability to partition disk array resources and assign the partitioned resources to applications.
- XP Disk/Cache Partition allows each partition to be separately configured and managed. Partition Storage Administrators (PSAs) have permission to allocate, change and deliver storage only within their assigned partitions and cannot access partitions belonging to other PSAs. This partitioning model provides increased security for user data and XP disk array resources, and limits the scope of administrator errors to a single partition.

### Performance

- XP Disk/Cache Partition allows the XP disk array to be divided into multiple sub-arrays, or partitions, with each partition having its own host ports, disk array groups and cache. Partitions can be assigned to particular applications and sized to guarantee a certain level of performance. Applications in one partition cannot affect the resources available to applications in another partition. For example, a cache-heavy application in one partition cannot affect the cache performance of an application in another partition.

## HP StorageWorks XP Disk/Cache Partition features

<b>Types of partition</b>	CLPR (Cache Logical Partition): Subdivides cache memory into multiple virtual cache memories. SLPR (Storage Management Logical Partition): subdivides the disk array into multiple virtual disk arrays.
<b>What can be assigned to a partition</b>	CLPR: portions of cache memory, parity groups SLPR: host ports, CLPRs
<b>Maximum number of partitions per array</b>	XP12000: 32 CLPRs, 32 SLPRs XP10000: 16 CLPRs, 16 SLPRs SVS200: 16 CLPRs, 16 SLPRs
<b>Maximum CLPRs per SLPR</b>	XP12000: 32 XP10000: 16 SVS200: 16
<b>CLPR cache capacity</b>	Minimum: 4 GB Maximum: up to the maximum cache capacity of the array
<b>Compatible software</b>	Business Copy XP, Continuous Access XP software, External Storage XP, Cache LUN XP
<b>Supported Operating Systems</b>	All that are supported by the XP disk array (including Open Systems and Mainframes)
<b>What's included</b>	Installation services and licenses for XP Disk/Cache Partition

For ordering information, please visit [www.hp.com/go/quickspecs](http://www.hp.com/go/quickspecs)

- XP Disk/Cache Partition allows the administrator to assign resources to particular applications so that performance level guarantees can be met. When a critical application is assigned to its own partition, it is insulated from the effects of other applications in other partitions.

### Agility

- XP disk arrays accommodate various tiers of storage, including externally attached storage. XP Disk/Cache Partition allows the administrator to place the various classes of storage in separate partitions, eliminating conflicts between faster and slower storage. The most demanding applications will be assured of the resources necessary to maintain performance, unaffected by secondary tiers of storage.
- XP disk array resources can be re-assigned from one partition to another by the administrator while the disk array is operating, allowing the XP to continue to meet storage needs as they change over time.
- The HP StorageWorks XP12000 and XP10000 disk arrays and the SVS200 have the ability to host data on select external storage systems, including HP StorageWorks Modular Smart Array (MSA) storage systems, Enterprise Virtual Array (EVA) storage systems, legacy XP arrays, as well as current and legacy arrays from other storage providers, including EMC, IBM, HDS, and SUN. XP Disk/Cache Partition interoperates with external storage, providing flexibility when choosing the performance and cost characteristics of volumes assigned to applications.
- XP Disk/Cache Partition supports XP disk array data-replication software (HP StorageWorks Business Copy XP and HP StorageWorks Continuous Access XP products) providing flexibility when deploying replication solutions.

## HP Services

HP Services has end-to-end, excellent expertise in delivering solutions that help you improve your business agility. From initial assessment and design to technical integration and ongoing support, HP Services can be your single point of contact and accountability.

HP related services:

- **HP StorageWorks Disk Array Installation and Startup Service**
- **XP Performance Analysis Service**
- **Backup and Recovery Solution Service**
- **Data Replication Solution Service**
- **Disaster Tolerant Management Service**
- **Electronic Vaulting Service for Enterprises**
- **HP Care Pack Services**—a comprehensive portfolio of services for maintaining the highest levels of IT availability.
  - Critical Service
  - Proactive 24 service
  - Support Plus 24 service
- **Instant Support Enterprise Edition (ISEE)**—remote monitoring and support solution for your servers, storage, and networks.
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For further details, contact your HP representative, your authorized HP business partner, or visit: [www.hp.com/hps/storage](http://www.hp.com/hps/storage)

## Warranty and included services

HP StorageWorks XP Disk/Cache Partition Software includes one (1) year of 24x7, two-hour response, HP Care Pack Service, which includes phone-in assistance, License to Use, rights to new versions, documentation and access to the IT Resource Center.

For more information about HP's Global Limited Warranty and Technical Support, visit:

[www.hp.com/products/storageworks/warranty](http://www.hp.com/products/storageworks/warranty).

## 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.

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## Additional HP support services

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

## Education services

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## Financial services

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## For more information

For more information on XP Disk/Cache Partition, visit [www.hp.com/go/storageworks/software](http://www.hp.com/go/storageworks/software).

For more information on XP disk arrays, visit [www.hp.com/go/storage/xparrays](http://www.hp.com/go/storage/xparrays).

For more information on HP StorageWorks, visit [www.hp.com/go/storageworks](http://www.hp.com/go/storageworks).

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