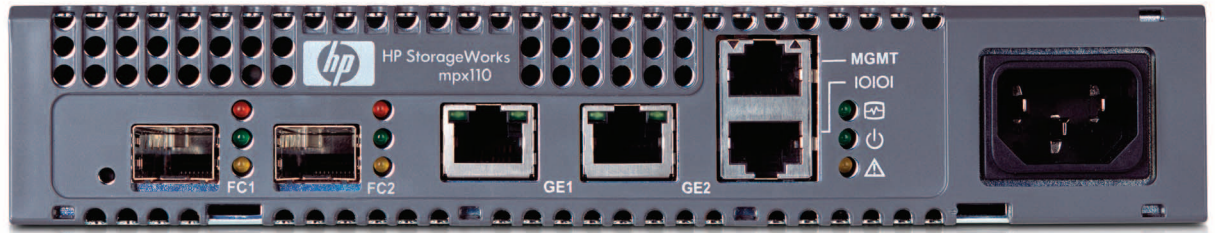


# HP StorageWorks IP Distance Gateway

Data sheet



## Now available in discounted kits for HP Enterprise Virtual Array (EVA)

There are many situations where HP Enterprise Virtual Array (EVA) administrators need to replicate data between servers. Sometimes this is just between servers in a data center, but sometimes the servers are in different buildings, in different cities or even different states. If disaster protection or disaster recovery is the primary requirement for data replication, the distance between replication sites becomes a critical consideration.

Most Fibre Channel storage area networks (SANs) have a working distance of no more than 35 kilometers—something to keep in mind when designing a disaster protection solution. There are many solutions that can be proposed for dealing with Fibre Channel data replication over distances greater than 35 kilometers. However, many of them involve expensive system upgrades or acquisitions, and even ongoing maintenance and connection costs can be daunting.

HP has a product that offers a low-cost alternative to existing data replication offerings. This product works over IP, removing the high costs of using Fibre Channel for data replication.

With the HP IP Distance Gateway, you can replicate data using FCIP (Fibre Channel over Internet Protocol). FCIP allows for the transmission of Fibre Channel information between SANs over IP networks. This solution enables data sharing over distances of more than 35 kilometers—increasing performance and reducing costs. The IP Distance Gateway is also an excellent addition to your disaster recovery plan.

The IP Distance Gateway allows for both synchronous and asynchronous continuous replication so you can share, protect and move your data efficiently and effectively.

In addition to data replication and file sharing locally and over long distances, the IP Distance Gateway provides for SAN device sharing, data migration and other long distance data services.

This solution improves the performance and lowers the cost of data protection. The IP Distance Gateway aids HP EVA arrays in supporting the myriad of changing business requirements related to data management and retention, the growing needs for business continuance and disaster recovery solutions—as well as other business and regulatory needs.

## Technical specifications

<b>Arrays supported</b>	EVA 4x00, 6x00 and 8x00 with XCS 6.0xx, 5.1xx, 5.03x, EVA 3000 and 5000 with VCS 4.xx, 3.1xx, 3.028
<b>Interface</b>	Dual-port 2-Gb Fibre Channel, dual-port 1-Gb Ethernet
<b>Protocol support</b>	FCIP
<b>Management</b>	HP StorageWorks mpx Manager
<b>Form factor</b>	1U
<b>Media types</b>	Small form-factor pluggable (SFP)

## Discounted kits for EVA

Product	Description
StorageWorks IP Distance Gateway kit for EVA 4x00 (Series)	Includes one IP Distance Gateway, 1-TB license for Continuous Access, 1-TB license for Business Copy and Replication Solutions Manager
StorageWorks IP Distance Gateway kit for EVA 6x00 (Series)	Includes one IP Distance Gateway, 1-TB license for Continuous Access, 1-TB license for Business Copy and Replications Solutions Manager
StorageWorks IP Distance Gateway kit for EVA 8x00	Includes one IP Distance Gateway, 1-TB license for Continuous Access, 1-TB license for Business Copy and Replication Solutions Manager

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

## Key features

- Low-cost SAN over WAN connectivity: significantly lowers the cost of data replication across wide distances
- High-performance data compression: reduces data transfer times
- Disaster recovery for business continuance: supports high-availability options

## Key benefits

- Grow and expand SANs without limitations: The HP IP Distance Gateway allows for SAN device sharing and data replication services for StorageWorks EVA systems. It facilitates SAN growth and scalability without the limitations imposed on Fibre Channel SANs.
- Utilize established IP for data replication: The IP Distance Gateway provides SAN connectivity over WANs by routing Fibre Channel over standard Ethernet, expanding and bridging SANs around the globe. Individual SANs can still be managed using localized resources.
- Enable SAN device sharing: The IP Distance Gateway increases customer return on investment (ROI) by enabling SANs to grow and scale independently.

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## HP Services

### Warranty and included services

HP warrants only that the software media will be free of physical defects for a period of 90 days from delivery. For more information about HP 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.

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. For more information on these services, contact your local HP sales representative, authorized HP business partner or visit [http://www.hp.com/services/storage\\_carepacks](http://www.hp.com/services/storage_carepacks).

### HP Factory Express

HP Factory Express is a portfolio of more than 50 flexible and robust pre-priced, customized and integrated factory configuration and deployment services—supporting HP products from the desktop to the data center with Microsoft® Windows®, Linux, and HP-UX 11i.

HP Factory Express is designed to help you get more from your technology investment, extend your valuable resources and accelerate your business results. It provides predictable, trusted and tested IT solutions designed to enhance your productivity. With Factory Express, you can customize hardware to your exact specifications at the HP factory—helping you plan and meet budget goals, cut costs, speed deployment and free up internal resources. To learn more, visit [www.hp.com/go/factory-express](http://www.hp.com/go/factory-express).

### 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 multi-vendor environments. For more information on these services, contact your HP sales representative, authorized HP business partner or visit [www.hp.com/hps/storage](http://www.hp.com/hps/storage).

### Education services

HP offers a variety of training methods to fit your needs including traditional instructor-led courses at one of our 120 training centers worldwide, on-site training customized to your needs, in your facility, or even remotely assisted instruction learning that combines the best of traditional classroom training (including its live instructor and labs) with the best of online training (no traveling required). And if you like learning on your own schedule, at your own pace, make use of e-learning opportunities on the award-winning HP IT Resource Center, a learning community with extensive on-demand resources that can be accessed 24x7. For more information on these services, contact your HP sales representative, authorized HP business partner or visit <http://education.hp.com/curr-storsan.htm>.

### Financial services

HP Financial Services provides innovative financing and financial asset management programs to help customers cost-effectively acquire, manage and ultimately retire their 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).

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