

Continuous Data Protector (CDP) Gateway Appliances

Unified backup and disaster recovery (DR) with instant availability

FalconStor® Continuous Data Protector (CDP) Gateway Appliances enable organizations to introduce advanced data protection and disaster recovery (DR) functionality into their environments, while utilizing existing storage capacity.

Highlights

- > Continuous or periodic protection for any-point-in-time recovery
- > Easily integrates with existing or new storage
- > WAN-optimized replication with compression and encryption for fast, efficient remote DR
- > RecoverTrac™ technology provides automated DR for physical and virtual environments
- > Certified for VMware vCenter Site Recovery Manager
- > Eliminates the backup window
- > Application-aware snapshot agents ensure 100% transactional integrity
- > All-inclusive functionality and simplified capacity-based pricing

Continuous data protection with instant recovery

FalconStor CDP Gateway Appliances provide rapid recovery from system and data center failures. Continuous real-time data journaling and periodic snapshots enable the recovery of email, files, and database objects in less than five minutes. In addition, organizations can recover local servers in as little as 10 minutes, and perform remote DR in as little as 30 minutes.

Eliminate the backup window

FalconStor CDP technology enables ongoing protection and completely eliminates backup windows, without impacting host servers or applications. Mirror volumes and up to 255 snapshots are instantly mountable for recovery purposes, or as a source for out-of-band traditional tape backup operations.

Automated DR

FalconStor® RecoverTrac™ technology represents a significant advancement in data protection, providing automated DR of critical business application servers and associated data volumes. This flexible and comprehensive recovery tool supports physical and virtual servers, including mixed environments. Single or multiple recovery locations are supported, as well as local and remote recovery. Supported recovery types include physical-to-physical (P2P) for identical servers, physical-to-virtual (P2V), and virtual-to-virtual (V2V).

Leverage existing third-party storage

Providing an open, integrated solution architecture, FalconStor CDP enables the use of any existing storage system, drive type, and network protocol, for comprehensive data protection and DR functionality. Customers can preserve existing defined volumes, or provision the entire storage volume, and take advantage of storage virtualization features such as Thin Provisioning and centralized management. This flexibility to leverage existing IT investments offers significant cost savings and deployment simplicity.

Accelerate I/O performance

FalconStor CDP Gateway Appliances, with optional solid-state memory (SSD), enable dramatic improvements in application I/O performance. Utilizing SafeCache™ technology as a WRITE cache and HotZone® technology as a READ cache allows users to provision a small percentage of SSD drives, for improvements in I/O latency of as much as 400% to 1000% over non-SSD storage.

WAN-optimized replication

Monthly bandwidth costs associated with remote replication represent a significant portion of total DR costs. FalconStor CDP leverages patented MicroScan™ technology, which eliminates duplicate data and ensures data integrity, reducing bandwidth requirements by as much as 95%.

File-based data protection

In addition to providing block-based data protection via DiskSafe™ technology, FalconStor CDP Gateway Appliances provide file-based data protection via FileSafe™ technology. Simple to implement, the FileSafe solution provides flexible replication and backup of individual files or entire folders, including open files, to FalconStor CDP. File-based recovery (CIFS or NFS) and data security are ensured across multiple operating systems and applications.



Application-aware, space-efficient snapshot agents

FalconStor CDP Gateway Appliances provide application-aware snapshot agents for Microsoft Windows, UNIX, Linux, and all major business applications.* TimeMark® snapshots provide 100%

transactionally consistent images that can be mounted for instant recovery of individual files, or as entire volumes for bare metal recovery. In addition, FalconStor CDP Gateway Appliances utilize copy-on-first-write snapshot technology, which improves space efficiency and lowers capacity requirements while providing granular recovery points.

Specifications

	CDP GA700	CDP GA710	CDP GA720
Physical Characteristics			
Form factor	2U	5U	2U
Appliance type	Gateway	Gateway	Gateway
Power supply (maximum output)	Redundant hot-plug auto-switching 870W		
BTU	2968 BTU/hr max	2968 BTU/hr max	2968 BTU/hr max
Dimensions: head (HxWxL)	3.4 x 17.4 x 26.8 inches (8.6 x 44.3 x 66 cm)	18.3 x 8.5 x 28.8 inches (46.6 x 21.7 x 73.1 cm)	3.4 x 17.4 x 26.8 inches (8.6 x 44.3 x 66 cm)
Weight (maximum)	57.5 lb (26.1 kg)	77.8 lb (35.3 kg)	57.5 lb (26.1 kg)
Host Connections			
iSCSI support — 1 Gb/s	4 ports	4 ports	4 ports
iSCSI support — 10 Gb/s	Optional	Optional	2 ports
iSCSI boot	Included	Included	Included
8Gb FC support	4 ports	6 ports	2 ports
Advanced Features			
Application snapshots	Included	Included	Included
TimeMark snapshots per LUN	255	255	255
DynaPath® for Microsoft Windows, Linux	Included	Included	Included
Application Snapshot Director for VMware	Included	Included	Included
Storage Replication Adapter for VMware Site Recovery Manager	Included	Included	Included
SafeCache	Included	Included	Included
HotZone	Included	Included	Included
Thin Provisioning	Included	Included	Included
DiskSafe agent	Included	Included	Included
Synchronous data mirroring	Included	Included	Included
Data journaling	Included	Included	Included
Remote replication: MicroScan, compression, encryption	Included	Included	Included
Automated DR (RecoverTrac)	Included	Included	Included
Email alerts	Included	Included	Included
Central client management (CCM)	Included	Included	Included

*For a complete list of supported environments and third-party storage, please refer to the Certification Matrix at www.falconstor.com/matrix

For more information, visit www.falconstor.com/CDP or contact your local FalconStor representative.

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