

## Continuous Data Protector (CDP) Appliances

Unified backup and disaster recovery (DR) with instant availability

*FalconStor<sup>®</sup> Continuous Data Protector (CDP) Appliances change the rules of traditional data protection, allowing you to implement instant recovery and remote disaster recovery (DR) for physical or virtual servers, in a fully configured turnkey appliance. Application-aware snapshot agents protect critical data for most business applications and databases, including those from Microsoft, Oracle, and VMware.*

### Highlights

- > Continuous availability through instant recovery from any type of data loss, from a single block to an entire data center
- > TOTALLY Open™ architecture connects storage across vendor barriers, protocols, and virtual server environments
- > Continuous or periodic protection for any-point-in-time recovery
- > WAN-optimized replication with compression and encryption for fast, efficient remote DR
- > Thin Provisioning maximizes backup storage utilization, minimizing storage costs and power requirements
- > Integrated local and remote DR maximizes return on investment (ROI)
- > Offloads backup overhead from production hosts
- > Eliminates the backup window
- > Application-aware snapshot agents, including Microsoft Windows certified agents, ensure 100% transactional integrity
- > Compliant with Microsoft VSS
- > Integrated Microsoft Exchange and Lotus Notes message recovery
- > Simplified capacity-based delivery mechanism

### Continuous data protection with instant recovery

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

### Unified backup and recovery

FalconStor CDP Appliances greatly reduce or eliminate tape-based backup operations and costs. The in-network nature of the solution's recovery volumes, up to 255 snapshots, provides flexible and comprehensive recovery points. Tape backup jobs can be executed from these snapshots, completely eliminating the traditional backup window and associated performance bottlenecks.

### Comprehensive DR

This solution features FalconStor<sup>®</sup> RecoverTrac™, a DR tool that automates remote failover of critical business servers and applications. RecoverTrac supports physical or virtual servers at the data center or a remote location.

### WAN-optimized remote replication

Monthly bandwidth costs associated with remote replication represent a significant portion of total DR costs. FalconStor CDP Appliances leverage patented FalconStor<sup>®</sup> MicroScan™ technology, which eliminates duplicate data and ensures data integrity, greatly reducing required bandwidth by as much as 95%.

### Application-aware, space-efficient snapshot agents

FalconStor CDP provides application-aware snapshot agents for Microsoft Windows, UNIX, and Linux, as well as for most popular business applications. FalconStor<sup>®</sup> TimeMark<sup>®</sup> snapshots provide 100% transactionally consistent snapshots that can be mounted for instant recovery of individual files, or as entire volumes for bare metal recovery. In addition, FalconStor CDP Appliances utilize 'Copy-on-First-Write' snapshot technology, which improves space efficiency and lowers capacity requirements while providing granular recovery points.



## Specifications

**CDP SA100      CDP SA300      CDP SA320      CDP SA500      CDP SA520      CDP XM507      CDP XM515**

Physical Characteristics							
Form factor	Tower	2U	2U	5U	5U	3U	3U
Appliance type	Storage	Storage	Storage	Storage	Storage	Expansion	Expansion
Capacity, usable	1TB	3TB	6TB	12TB	12TB	6TB expansion unit, SA320 or SA500	12TB expansion unit, SA500
RAID level	1	6	6	1 or 6	1 or 6	1	1
Disk type	SATA	SATA	SATA	SATA	SATA/SSD	SATA	SATA
Power supply	Redundant hot-plug auto-switching 870W	Redundant hot-plug auto-switching 870W	Redundant hot-plug auto-switching 870W	Redundant hot-plug auto-switching 870W	Redundant hot-plug auto-switching 870W	Redundant hot-plug auto-switching 550W	Redundant hot-plug auto-switching 550W
Dimensions: head (HxWxL)	17.3 x 8.6 x 20.5" (44 x 21.8 x 52.1 cm)	3.4 x 29.75 x 28.4" (8.64 x 48.24 x 72.06 cm)	3.4 x 29.75 x 28.4" (8.64 x 48.24 x 72.06 cm)	3.4 x 29.75 x 28.4" (8.64 x 48.24 x 72.06 cm)	3.4 x 29.75 x 28.4" (8.64 x 48.24 x 72.06 cm)	—	—
Dimensions: expansion (HxWxL)	—	—	—	5.16 x 17.57 x 18.9" (13.11 x 44.63 x 48.01 cm)	5.16 x 17.57 x 18.9" (13.11 x 44.63 x 48.01 cm)	5.16 x 17.57 x 18.9" (13.11 x 44.63 x 48.01 cm)	5.16 x 17.57 x 18.9" (13.11 x 44.63 x 48.01 cm)
Weight	62.61 lb. (23.5 kg.)	57.54 lb. (26.1 kg.)	57.54 lb. (26.1 kg.)	135.54 lb. (61.6 kg.)	135.54 lb. (61.6 kg.)	78 lb. (35.37 kg.)	78 lb. (35.37 kg.)
Host Connections*							
iSCSI support - 1 Gb/s	1 port	4 ports	4 ports	4 ports	4 ports	—	—
iSCSI support - 10 Gb/s	Optional	Optional	Optional	Optional	Optional	—	—
iSCSI boot	Included	Included	Included	Included	Included	—	—
8Gb FC HBA	Optional	Optional	Optional	Optional	Optional	—	—
Advanced Features*							
Application snapshots	Available	Available	Available	Available	Available	—	—
TimeMark snapshots per LUN	255	255	255	255	255	—	—
Thin Provisioning	Available	Available	Available	Available	Available	—	—
Synchronous data mirroring	Available	Available	Available	Available	Available	—	—
Data journaling	Available	Available	Available	Available	Available	—	—
Remote replication: MicroScan, compression, encryption	Available	Available	Available	Available	Available	—	—
DR (RecoverTrac)	Available	Available	Available	Available	Available	—	—
Email alerts	Available	Available	Available	Available	Available	—	—
Central client management (CCM)	Available	Available	Available	Available	Available	—	—
Environmental Requirements							
BTU	1672 BTU/hr max	2969 (high output), 1944 (energy smart)	2970 (high output), 1944 (energy smart)	2971 (high output), 1944 (energy smart)	2972 (high output), 1944 (energy smart)	1430	1430
Temperature	Operating: 50° to 95°F (10° to 35°C) Storage: -40° to 149°F (-40° to 65°C)						
Relative humidity	Operating: 20% to 80% (non-condensing) with maximum gradation of 10% per hour						
Altitude	-50 to 10,000 feet (-16 to 3,048 meters)						

Snapshot agents are available for the following environments: Microsoft Windows: Microsoft Exchange Server, Microsoft SQL Server, IBM Lotus Domino, Oracle, Sybase, Informix, IBM DB2, SAP, Pervasive SQL, Microsoft Volume Shadow Copy Service, Microsoft Windows file systems — Linux: IBM Lotus Domino, Oracle, Linux file systems — Solaris: Oracle, Sybase, IBM Lotus Domino, Solaris file systems — AIX: Oracle, IBM DB2, Informix, IBM Lotus Domino, AIX file systems — HP-UX: Oracle, Sybase, HP-UX file systems.

\*For a complete list of available connectivity and features, please contact a FalconStor representative.

For more information, visit [www.falconstor.com](http://www.falconstor.com) or contact your local FalconStor representative.

**Corporate Headquarters**  
USA  
+1 631 777 5188  
[salesinfo@falconstor.com](mailto:salesinfo@falconstor.com)

**European Headquarters**  
France  
+33 1 39 23 95 50  
[salesemea@falconstor.com](mailto:salesemea@falconstor.com)

**Asia-Pacific Headquarters**  
Taiwan  
+886 4 2259 1868  
[salesasia@falconstor.com](mailto:salesasia@falconstor.com)

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Software

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