

Continuous Data Protector (CDP) VS Series HA Appliances

HIGH-PERFORMANCE, HIGH-AVAILABILITY DISK BACKUP WITH REPLICATION AND AUTOMATED DISASTER RECOVERY

Business-critical data, applications, and storage resources continue to explode in size and complexity. Protecting mixed assets such as physical and virtual servers, operating systems, applications, networking, and storage requires multiple 'point' solutions from various vendors, making it difficult to manage the protection, backup, and recovery of data. FalconStor® Continuous Data Protector (CDP) VS Series Appliances are designed to provide massive bandwidth, scalability, load balancing, and efficiency for today's large enterprises. These appliances offer high availability (HA), fully redundant active-active controllers, concurrent network connectivity, and automated storage tiering for dynamic performance allocation. A comprehensive set of features includes mirroring, application-consistent snapshots, journaling, WAN-optimized replication, and automated disaster recovery (DR). This allows IT administrators to meet demanding service level agreements (SLAs), even in the most complex heterogeneous environments.



Highlights

Scalability & HA

- Simple, capacity-based pricing
- Capacity and disk type ranges from 2TB to 500TB+ per appliance
- Expansion units for additional scalability
- HA architecture with active/active controllers

All-inclusive functionality

- Mirroring, snapshots* (up to 1,000), journaling, replication
- Enables definition of protection policies

WAN-optimized replication

- MicroScan™ technology reduces bandwidth requirements and costs
- Enables rapid disaster recovery

Disk-based backup

- Eliminates the backup window
- Enables near-zero recovery point objectives (RPO)
- Defines protection policies on individual server, departmental, or global basis

D2D2T backup

- Reduces tape costs
- Provides instant recovery

Automated disaster recovery via RecoverTrac™ tool

- Automates complex application recovery and disaster recovery testing
- Supports P2P, P2V, and V2V recovery

Heterogeneous support

- Physical or virtual servers
- Microsoft Windows, Linux, Unix, Solaris, HP-UX
- iSCSI, Fibre Channel (FC), and FCoE connectivity

Application-specific snapshot agents*

- Eliminates backup corruption
- Supports an extensive list of applications

NOTE: The FalconStor CDP VS Series HA Appliance solution requires at least one RAID expansion head. For more information, please refer to the document entitled: "Expansion Units for FalconStor CDP and FalconStor NSS."

*Snapshot agents are available for the following environments: Microsoft Exchange Server, Microsoft SQL Server, Microsoft VSS, IBM DB2, IBM Informix, Lotus Notes/Domino, Oracle, Sybase, MySQL, SAP, MaxDB, and VSS, as well as file systems (Linux, HP-UX, Solaris, AIX, Microsoft Windows).

Specifications: FalconStor CDP VS Series HA Appliances

CDPVS630

CDPVS700

Physical Characteristics		
Form factor	2U rackmount	
Host interface	iSCSI	FC/iSCSI
Processor	1 x Intel Xeon E5-2620, 6-Cores @ 2.0 GHz, 15M cache	2 x Intel Xeon E5-2620, 6-Cores @ 2.0 GHz, 15M cache
Memory	24GB (6 x 4GB RDIMM, 1333 MHz, Low Volt, Dual Rank, x8)	
NICs	8 x 1Gb Ethernet	4 x 1Gb/s, 2 x 10Gb/s Ethernet
Expansion options	1 external CDP RAID expansion head	1-2 external CDP RAID expansion heads
Power supply	2 x hot-plug high-output 750W	
Power source	90-264 VAC, autoranging, 47-63 Hz	
Dimensions (HxWxL)	3.4 x 17.44 x 26.8 in (8.6 x 44.31 x 68.07 cm)	
Weight (maximum configured)	71.5 lb (32.5 kg)	
Host Connections		
iSCSI - 1Gb/s	8 ports	4 ports
iSCSI - 10Gb/s	Optional	2 ports
8Gb FC	Optional	4 ports
Advanced Features		
High availability (HA)	Optional	
Application-aware snapshot agents*	Optional	
Snapshots (TimeMark®/TimeView®) per LUN	Up to 1,000	
Storage Replication Adapter for VMware Site Recovery Manager	Included	
DynaPath® for Microsoft Windows or Linux native multipathing	Included	
DiskSafe™ agent	Included	
FileSafe™ agent	Included	
Recovery agent	Included	
Automated disaster recovery via RecoverTrac tool	Included	
Multisite Cluster Adapter for Microsoft Windows	Included	
SafeCache™ / HotZone®	Included	
Data journaling	Included	
Thin provisioning	Included	
Synchronous & asynchronous data mirroring	Included	
WAN-optimized replication w/ compression & encryption	Included	
SNMP integration	Included	
Email alerts	Included	
Reporting	Included	
Central Client Manager (CCM)	Included	
HyperTrac™ Backup Accelerator	Optional	
Environmental Requirements		
Heat output	2891 BTU/hr	
Temperature	50° to 95°F (10° to 35°C)	
Relative humidity	20% to 80% noncondensing with maximum gradation of 10% per hour	
Altitude	-50 to 10,000 ft (-16 to 3,048 m)	

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