



■ ■ ■ **DECRU DATAFORT™ FC525 V2 SPECIFICATIONS**

FIRMWARE V1.6

SECURITY

Decru Storage Encryption Processor (SEP) Encryption Operating System	AES-256 (Advanced Encryption Standard with 256-bit keys) Hardened DecruOS
Initial encryption/rekeying of data	On the fly, with zero downtime for disk
Authentication Administrator System	Smart cards with login/password System Card smart card
Configurable Security Policy	Wizard-guided installation, with fully customizable policies

STORAGE

Fibre Channel Interfaces Host HBA Storage HBA	NL-port (LC connector) or N-port NL-port (LC connector) or N-port
Fibre Channel Modes In Line Connected to FC switch	Host -> DataFort -> Disk; Host -> DataFort -> Tape (tape option) Storage zone, Hosts zone
Performance/Throughput	Supports 2 Gbit/sec Fibre Channel
Transfers	Full duplex
Class of Services	Class 2, 3
Compression (Tape only)	Hardware-based: Compresses 2:1 prior to tape encryption

MANAGEMENT

Management Interfaces Decru WebUI	Secure SSL-based web interface
Management Station Requirements	Windows-based PC, Minimum 256 MB RAM, 10 MB free disk space, Ethernet 10/1000Base-T connection, USB or serial port, Internet Explorer
Supported Windows OS	Microsoft Windows NT 4.0 SP6, Microsoft Windows 2000 Professional, Microsoft Windows XP, Microsoft Server 2003
Supported Web Browsers	Microsoft Internet Explorer 5.01 or better
Command Line Interface (CLI) SNMP	SSH enhanced through 2-factor authentication with smart cards Supported for remote diagnostics
Administrator Authentication	Smart card reader and Decru Admin Card
Management Tools Configure Storage Environment	Create and manage Cryptainer [™] storage vaults. Add, delete, manage hosts
Manage Access Control	Define and control host access to storage
System Configuration	DataFort administration, backup and disaster recovery tools
Logging and Audit	Cryptographically signed tracking for all key events. Configurable audit trail with local and remote (syslog) logging
Lifetime Key Management [™] system	Software for automated key archiving, restore, and software-based decryption (option)

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REDUNDANCY AND FAILOVER

Clustering and Failover	Active-active clustering with secure key sharing
Power supply	Cold-swappable

HARDWARE

Rack Mountable	Standard 19" EIA rack (1U height)
Size	43.2 cm (17") W x 4.4 cm (1.73") H x 48.3 cm (19") D
Weight	10.4 kg/22.9 lbs
Universal AC input	100-240 VAC/4A, 47-63 Hz
Hardware Security	Optional pick-resistant Medeco high security lockset Chassis intrusion detection
Rear Ports	2 Fibre Channel Ports (one to hosts, one to storage) 10/100/1000Base-T Ethernet port for configuration and management Serial console port for initial IP address setting On/Off switch
Front LCD	LCD for status display: 20 characters by 2 lines
Front LED	Power and activity indicator
Smart card reader	1 internal reader for DataFort System Card 1 USB type external reader (serial type reader optional)
Smart Cards	
System Cards	1 plus 1 backup
Admin and Recovery Cards	Available in smart card media kit

REGULATORY COMPLIANCE

Safety			
Canada		CSA 60950	
United States		UL 60950	
Japan		IEC60950 A4	
European Community		EN60950, TUV	
International		IEC60950	
Electromagnetic Compatibility (EMC)			
United States / Canada		FCC Class B	
Japan		VCCI Class B	
European Community		CE (EN55022 B/EN55024/EN61000-3-2, 3)	
Australia/New Zealand		AS/NZS 3548 Class B	
International		CISPR22 Class B	
Operational Vibration	Telcordia GR-65-CORE	Compression Test	ASTM D 642-00
Shock	IEC 68-2-29	Random Vibration	ASTM D 4728-01
Transportation Protocol	ISTA 2A	Impact Test	ASTM D 5276-98

ENVIRONMENT

Operating Temperature	+5 C to +40 C (41 F to 104 F)
Storage Temperature	-10 C to +60 C (14 F to 140 F)