

**DECRU DATAFORT™ FC520 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
Transparent Rekeying for disk	In-place encryption or rekeying of existing data, with zero downtime
Authentication Administrator Recovery Officers System	Smart cards with login/password Quorum of smart cards (2/3, 3/5, etc.) with login/password System Card smart card
Configurable Security Policy	Wizard-guided installation, with fully customizable security settings

**STORAGE**

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

**MANAGEMENT**

Management Interfaces Decru WebUI  Management Station Requirements  Supported Windows OS  Command Line Interface (CLI) SNMP	Secure SSL-based web interface  Windows-based PC, Minimum 256 MB RAM, 10 MB free disk space, Ethernet 10/100/1000Base-T connection, USB or serial port, Internet Explorer (see version requirements below.)  Microsoft Windows NT 4.0 SP6 with IE 5.5; Microsoft Windows 2000 Professional/Server with IE 5.5; Microsoft Windows XP with IE 6.0; Microsoft Windows Server 2003 with IE 6.0  SSH-enhanced through smart card-based 2-factor authentication SNMP v1 and v2c, MIB II, Decru MIB
Management Tools Configure Storage Environment  Manage Access Control  System Configuration  Logging and Audit	Create and manage Cryptainer <sup>™</sup> storage vaults. Add, delete, manage hosts  Define and control host access to storage  DataFort administration, backup and disaster recovery tools  Cryptographically signed tracking for all key events. Configurable audit trail with local and remote (syslog) logging

**REDUNDANCY AND FAILOVER**

Hardware Redundancy	Hot swappable redundant power supplies Hot swappable fan assemblies
Clustering and Failover	Active-active clustering with secure key sharing (license option)

**HARDWARE**

Rack Mountable	Standard 19" EIA rack (2U height)
Size	43.2 cm (17") W x 8.8 cm (3.5") H x 45.6 cm (18") D
Weight	12.8 kg/28.3 lbs
Universal AC input	100-240 VAC/4A, 47-63 Hz
Rear Ports	2 Fibre Channel Ports (one to hosts, one to storage) 10/100/1000BaseT Ethernet port for configuration Serial console port for initial IP address setting On/Off switch
Front LCD	LCD with touch panel for initial IP configuration and status display
Front LEDs	Power status and network activity indicators
Smart Card Reader	1 internal reader for DataFort System Card 1 USB type external reader (serial type reader optional)
Smart Cards System Cards Admin/Recovery Card Spares Kit	1 plus 1 backup Optional

**TESTING AND COMPLIANCE**

<p>Safety</p> <p>Canada CSA 60950 United States UL 60950 Japan IEC60950 A4 European Community EN60950, TUV International IEC60950</p>	<p>Electromagnetic Compatibility (EMC)</p> <p>Canada ICES-003 Class B United States FCC Class B Japan VCCI Class B Korea RRL Class B European Community CE (EN55022 Level B/EN55024) Australia/New Zealand AS/NZS 3548 International Class B</p>
<p>Operational Vibration Telecordia GR-65-CORE Shock IEC 68-2-29 Transportation Protocol ISTA 2A Compression Test ASTM D 642-00 Random Vibration ASTM D 4728-01 Impact Test ASTM D 5276-98</p>	<p>Environment</p> <p>Operating Temperature +5 C to +40 C (41 F to 104 F) Storage Temperature -10 C to +60 C (14 F to 140 F)</p>

**OPTIONS**

Chassis Lock	Pick-resistant high security Medeco lockset
Lifetime Key Management™ system	Software utility to securely automate key archiving and recovery. Includes Software Recovery Tool for data decryption on a standard server.
LKM Server Hardware Requirements	4 GB minimum free disk space; 1 GHz processor; available USB port; CD ROM drive; Available server ports
LKM Server Software/OS Requirements	Windows 2000 Server or Windows 2003 Server OS (preferred). A dedicated Windows 2000 or Windows XP workstation is acceptable. Internet Explorer v6.0 or later.