

**DECRU DATAFORT™ E510 SPECIFICATIONS**

**FIRMWARE V3.0**

**SECURITY**

Decru Storage Encryption Processor (SEP)	
Encryption	AES-256 (Advanced Encryption Standard with 256-bit keys)
Operating System	Hardened DecruOS
Authentication	
Administrator	User name/password with smart card for two factor authentication
Clients	Configurable depending on security policy
System	System smart card
Transparent Rekeying	In-place encryption or rekeying of existing data, with zero downtime
Configurable Security Policy	Wizard-guided installation, with fully customizable security settings
Optional IPsec Support (CIFS/NFS)	On-board, hardware-based IPsec accelerator
Optional CryptoShred™ Button	Secure key deletion for data in harm's way

**STORAGE**

Client/Storage Connectivity	Gigabit Ethernet (IEEE 802.3 compliance) 10/100/1000, autonegotiation required
Connectivity Options	In-line or network-attached. Supports high availability. Examples: Client -> DataFort -> NAS/IP-SAN Storage Array Client -> Application Server -> Switch -> DataFort -> NAS/IP-SAN Storage
Performance/Throughput	1 Gbit/sec Ethernet at wire speed

**CIFS PROTOCOL SUPPORT**

Supported CIFS Clients Include:	Windows 2003 (all types), Windows 2000 Professional/Server/Advanced Server; Windows XP; Windows NT 4.0 SP6+
Supported CIFS Servers Include:	Windows 2003 (all types); Windows 2000 Professional/Server/Advanced Server; Windows XP; Windows NT 4.0 SP6+; NetApp Data ONTAP v6.5 and above; IBM NASx00 family; BlueArc Si7500; Samba 2.2.8 and above; Procom NetForce 1500 4.02
Authentication	NTLM v1/v2, Kerberos
Supported Directory Services Include:	Active Directory, LDAP

**NFS PROTOCOL SUPPORT**

Supported File Systems Include:	NFS v2/v3, over UDP or TCP
Supported NFS Clients Include:	Sun Solaris 8, Solaris 9, x86, Sparc; AIX 4.3/5.1; HP-UX 11; FreeBSD 4.3 and above; Linux RedHat 6.1 and above; SGI Irix 6.5
Supported NFS Servers Include:	EMC Celerra NS600, IP4700, CLARiiON; BlueArc Si7500; IBM NASx00 family; NetApp Data ONTAP v 6.5 and above; Procom NetForce 1500 4.02; Apple OS X 10.3; Hummingbird Maestro Server 9.0; Sun Solaris 8, Solaris 9, X86, Sparc; AIX 4.3/5.1; HP-UX 11, FreeBSD 4.3 and above; Linux RedHat 6.1 and above, SGI Irix 6.5
Supported Directory Services Include:	NIS, LDAP

**ISCSI PROTOCOL SUPPORT**

Supported iSCSI Clients Include:	Windows 2003 (all types), Windows 2000 Professional/Server/Advanced Server
Supported iSCSI Servers Include:	EMC Celerra NS600; NetApp Data ONTAP v6.5 and later

**WEBDAV PROTOCOL SUPPORT**

Storage VPN Features	Secure, web-based remote access to centrally stored files
----------------------	---

**REDUNDANCY AND FAILOVER**

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

## ■ ■ ■ DECRU DATAFORT™ E510 SPECIFICATIONS

## FIRMWARE 3.0

### 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 10/100/1000Base-T connection, USB or serial port, Internet Explorer
Supported Windows OS	Microsoft Windows NT 4.0 SP6, Microsoft Windows 2000 Professional, Microsoft Windows XP
Supported Web Browsers	Microsoft Internet Explorer 5.01 or better
Command Line Interface (CLI)	SSH-enhanced through smart card-based 2-factor authentication
SNMP	SNMP v1 and v2c, MIB II, Decru MIB
Management Tools - Admin Functions Include:	
Configure Storage Environment	Create and manage Cryptainer™ storage vaults. Add, delete, and manage domains, servers, shares
Manage Access Control	Define and control client access to storage
System Configuration	DataFort administration, backup and disaster recovery tools
Logging and Audit	Cryptographically signed tracking for 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)

### 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	14.2 kg/31.3 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	Two Gigabit Ethernet (copper RJ-45) (one to clients, one to hosts) Serial console port for initial IP address setting
Front LCD	LCD with touch panel for initial IP configuration and status
Front LEDs	Power status and network activity indicators
Smart Cards	2 System Cards ship with each DataFort
Administration Kit (Recommend one kit per security domain)	Administration Guide, Decru Firmware Smart Cards (2 System, 3 Admin, 5 Recovery) 1 USB type Smart Card reader (serial type reader optional)

### 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)

### SAFETY AND COMPLIANCE

Safety		Electromagnetic Compatibility (EMC)	
Canada	CSA 60950	Canada	ICES-003 Class B
United States	UL 60950	United States	FCC Class B
Japan	IEC60950 A4	European Community	CE (EN55022 Level B/EN55024)
European Community	EN60950, TUV	International	CISPR 22 Class B
International	IEC60950		
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