



NetApp Hardware Universe – RC-0037-0909 – Side A – 09-15-2009

NetApp DataFort

NetApp DataFort Storage Security Systems

Model	E510	E515	FC520	FC525	FC1020 Tape Only	S110	KM500	
Front View								
Solution	E Series NAS (CIFS/NFS) & IP SAN (iSCSI)		FC Series SAN & Tape (FCP)			S Series SCSI Tape	Lifetime Key Management™	
Certifications	FIPS 140-2 Level 3 Common Criteria EAL-4+ US NIST AES-256 US NIST SHA-1 US NIST SHA-256 US DoD 5015.2 DCSSI (France)							
Environmental	Height	2U	1U	2U	1U	2U	2U	2U
	Weight	31.3 lb. (14.2 kg)	22.9 lb. (10.4 kg)	31.3 lb. (14.2 kg)	22.9 lb. (10.4 kg)	35.3 lb. (16 kg)	30.2 lb. (13.7 kg)	48 lb. (21.8 kg)
Platform Specifications	AC Power Thermal ³	100-240V 3A 819 BTU/hr	100-240V 5A 556 BTU/hr	100-240V 5A 751 BTU/hr	100-240V 3A 502 BTU/hr	100-240V 3A 959 BTU/hr	100-240V 3A 703 BTU/hr	100-240V 5A 822 BTU/hr
	Processor	SEP	SEP	SEP	SEP	SEP	SEP	SEP
	Power Supply	Redundant Hot Swap	Single No Hot Swap	Redundant Hot Swap	Single No Hot Swap	Redundant Hot Swap	Redundant Hot Swap	Redundant Hot Swap
	Storage Interfaces	2 GbE RJ45 (1 client, 1 storage)	2 GbE RJ45 (1 client, 1 storage)	2 FC Ports LC (1 host, 1 storage)	2 FC Ports LC (1 host, 1 storage)	10 FC Ports LC (5 host, 5 storage)	2 SCSI LVD (1 host, 1 storage)	N/A
Security Smart Cards	Mgmt Interfaces	1 GbE RJ45	1 GbE RJ45	1 GbE RJ45	1 GbE RJ45	1 GbE RJ45	1 GbE RJ45	1 GbE RJ45
	System Card Cryptographic "ignition key" to boot NetApp DataFort and access encryption keys. Once initialized, each is unique to a particular NetApp DataFort appliance.  Admin Card Provides 2 factor authentication for administrators. Role-Based Access Control allows multiple administrators & roles. Can be shared among NetApp DataFort appliances.  Recovery Card Recovery cards are initialized during install and can be shared among multiple appliances. Quorum of recovery cards (2/5, 3/5, 2/3) is required for sensitive key management and recovery operations, providing role separation. 							

Terms and Abbreviations

BTU – British Thermal Unit
CIFS – Common Internet File System
Cu – Copper Connector
FC – Fibre Channel
FCP – Fibre Channel Protocol
iSCSI – Internet SCSI
LC – Lucent Connector
LVD – Low-voltage Differential
NFS – Network File System
Op – Optical Connector
SEP – Storage Encryption Processor
SFP – Small Form-Factor Pluggable
VHDCI – Very High Density Cable Interconnect

© 2009 NetApp. All rights reserved.
 Specifications are subject to change without notice. NetApp, the NetApp logo, Go further, faster, and Data ONTAP, are trademarks or registered trademarks of NetApp, Inc. in the United States and/or other countries. All other brands or products are trademarks or registered trademarks of their respective holders and should be treated as such. RC-0037-0909

This document is subject to change without notice. Be sure to cross-reference the NOW System Configuration Guide at <http://now.netapp.com> for the most current information. NetApp employees and partners can check the NetApp 1Stop site at <http://www.netapp1stop.com> for updates. NetApp customers should check with their account teams for updates.

This document is chartered under the NetApp Technology Enablement and Solutions Organization (TESO).