

Certificate of Volatility

Volatility Information and Procedures for Memory Components

Product: **Power Distribution Unit**

Part Number: **710-A1052 PCBA, Network Module Card (NEMO) used in eAM001, eAM002, eAM003, eAM004, eAM005, eAM008, eMA006, eMA007, eMA009, eMA010, eMA011, eMA012, eMA013, eMA014**

Date: **March 20, 2013**

Memory Type: SRAM	Memory Size: 512K bytes
Memory Function: Data for program execution	
User Modifiable (Y/N): N	Volatile (Y/N): Y
Memory Erase Process: Remove power to the PDU for 5 minutes.	

Memory Type: SRAM	Memory Size: 128K bytes + 4 K Bytes
Memory Function: MCU internal SRAM for Data for program execution	
User Modifiable (Y/N): N	Volatile (Y/N): Y
Memory Erase Process: Remove power to the PDU for 5 minutes Remove internal battery for 5 minutes	

Memory Type: NorFlash	Memory Size: 8M bytes
Memory Function: Bootloader code + Filesystem	
User Modifiable (Y/N): Y	Volatile (Y/N): N
Memory Erase Process Sequence: - Connect a PC to NEMO card serial port with cable, launch Hyperterm configured 9600,8,N,1 - Enter Cr then the password "admin" - Enter the command 123 then Cr and confirm, As result, the Filesystem has been formatted.	

Memory Type: NorFlash	Memory Size: 1M bytes
Memory Function: MCU internal Flash for Firmware code. No user data.	
User Modifiable (Y/N): N	Volatile (Y/N): N
Memory Erase Process Sequence: A hardware tool is necessary.	

Memory Type: EEPROM	Memory Size: 1K bytes
Memory Function: Product parameters	
User Modifiable (Y/N): Y	Volatile (Y/N): N
Memory Erase Process Sequence: - Connect a PC to NEMO card serial port with cable, launch Hyperterminal or other terminal software configured 9600,8,N,1 - Enter Cr then the password "admin" - Enter the command 123 then Cr and confirm, As result, the file system has been formatted. - Restart the card then the EEPROM product parameters take back their default values.	

Authorized Signature & Title
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