



Statement of Volatility – Dell PowerConnect 2800 Switch

Dell PowerConnect 2800 switch contains both volatile and non-volatile (NV) components. Volatile components lose their data immediately upon removal of power from the component. Non-volatile components continue to retain their data even after the power has been removed from the component.

The following component is Non-volatile and will not lose data when the power has been removed from the component:

Flash Memory

Two 256Mbits Flash memory are soldered directly on the board. This memory region is used to store the CPU's system image downloaded to DDR SDRAM memory during system boot-up.

Hynix3Volt Flash memory HY57V281620F is used in the system:

- Non-Volatility Memory
- 65nm process technology
- Packaging: 56-Lead TSOP Package
- Electrically Erasable and Re-programmable.
- Voltage during Block Erase: 2.3 ~ 3.6V
- Store following image in flash for system using
 - Loader
 - Diagnostic
 - Runtime
 - Factory_Default_Config.cfg (Default config file)
 - Other files used by the system are syslog file and user-config files.

CPLD


CPLD ALTERA EPM3128 is programmed to control Reset, Memory CS and Address decode Power sequence, SFP state detect, and Board type/HW version, Module power control, Module type select function.

The following component is volatile and will lose data when the power has been removed from the component:

DDR SDRAM

Two Samsung K4S561632J-UC75 256Mb SDRAM devices are soldered directly to the board.

- Volatile Memory
- Fast data transfer rates: PC2-5300
- Utilizes 667 MT/s DDR SDRAM components
- Maximum operating frequency: CAS Latency 5 (333MHz)
- CAS Latency: 5 (Y5)
- Concurrent auto precharge option is supported
- Auto refresh (CBR) and self-refresh mode

 **NOTE:** For any information that you may need, direct your questions to your Dell Marketing contact.

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