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USB2240/40i/41/41i/42/42i/44/44i/50/50i/51/51i
Firmware Revision History
Collectively referred to in this document as the USB2250
V1.68

Updated 10/08/2008

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USB2250 Revision History

- 02 ROM

The -02 ROM includes all changes through 1.043

1.043: Initial Release

- 03 ROM

The -03 ROM includes all changes through 1.052

1.052:

- Fixed clock gating issue
- Fixed LUN timeout during data stage.
- Added FET short circuit detection
- Fixed data error handling issues.
- Fixed MS/MS Pro Compliancy issues.
- Fixed internal FET configuration

- 04 ROM.

The -04 ROM includes all changes through 1.057

1.057:

- Fixed Active Suspend/Resume test issue.
- Added GPIO5 output changes
- Fixed unconfigured current test issue.
- Fixed Vista Readyboost issue with SD media.
- Fixed dev cap issue.
- Fixed oem.exe issue.

- 05 ROM.

The -05 ROM includes all changes through 1.068

1.058:

- xD's LED blink is not working correctly after insertion CF and SD card on USB2250-NU-03
- When writing to a 4 bit (parallel) MS Classic, the MS Power indicator blinks and the write will not complete, resulting in a error message in XP and Vista.
- CSW reports incorrect CBWXfer Length in CSW residue when the test send the CBW with CBWlength error condition .

1.059:

- CBW Length error Interrupt does not get cleared at the time when CSW is reported to MSC host with Status 1
- When R-Data 2Gb MMC Plus cards are inserted into a 2250 v57(internal) along with any type of XD media or MS Classic (serial) cards then attached to a host running Mac OS 10.5, the DUT takes 2-3 minutes to enumerate.
- Changed the default internal FETs from 100mA to 200mA for all media

1.060:

- Added support for descriptor update without an external EEPROM.
- Fixed issue with identifying 32GB CF card as 8 GB card
- Fixed issue with not being able to identify 1GB Ram Star Compact Flash Card.

1.061:

- Fixed issue with identifying 32GB CF card as 8 GB card
- Fixed issue with not being able to identify 1GB Ram Star Compact Flash Card.
- Changed external wait states to 4

1.062:

- Fixed issue with identifying 128MB Transcend Card which reported supporting PIO mode 6 but would fail when switching to mode 6. Firmware now retries setting to PIO mode for 4 or less when switching to 5 or 6 fails.
- 1.063:
- Fixed issue with allowing Memory Stick HG card to work with 4 bit socket without lines D0 and D4 on MS bus being tied together on the board
- 1.067:
- Added support to enable C3 using a GPIO if an external NV store device is not provided. For the 2250 this is GPIO5 and for the 2240 this is GPIO 2. To enable the C3 support when there is no external nv store device provided (such as I2C EEPROM etc.) the C3 bond GPIO must be pulled low with a resistor.
- 1.068:
- Fixed issue to disable LED1 (common media LED and activity LED) when media is inserted and command media LED is enabled.
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