
SmartFusion2 MSS eNVM Driver Release Notes

Version 2.5

Changes since previous version

- Modified the implementation of the *NVM_write()* and *NVM_unlock()* functions to fix the issue “locked page of eNVM cannot be unlocked”.
- Added *NVM_PAGE_LOCK_WARNING* enumeration item in *nvm_status_t*.

Resolved issues in version 2.5

Driver issues are tracked as software action requests (SAR).

SAR #	SAR Resolution
79545	Preventing page lock while accessing: <ul style="list-style-type: none">• <i>M2S060</i> – eNVM0 block memory• <i>M2S090/150</i> – eNVM1 block memory• eNVM memory pages when any protection region in the same block (eNVM0 or eNVM1 block) is write protected.
74340	Removed redundant read code of eNVM status register

Version 2.4

Changes since previous version

- The driver code modified to check whether the eNVM memory is user or reserved protected area of eNVM memory and returns *NVM_PROTECT_ERROR* enumeration item of *nvm_status_t*.

Version 2.3

Changes since previous version

- Modified the implementation of the *NVM_write()* and *NVM_unlock()* functions to fix the issue related to the *NVM_WRITE_THRESHOLD_ERROR* flag after writing the page where the write counter exceeds 1024 cycles but actually it is a warning to user for data retention not an error.
- The driver code modified to the rename the *NVM_WRITE_THRESHOLD_ERROR* enumeration item in *nvm_status_t* into *NVM_WRITE_THRESHOLD_WARNING*.

Version 2.2

Changes since previous version

- Modified the implementation of the *NVM_write()* and *NVM_unlock()* functions to fix a potential eNVM block 1 data corruption issue when writing to the eNVM (SAR 57547).

Resolved issues in version 2.2

Driver issues are tracked as software action requests (SAR).

SAR #	SAR Resolution
57547	eNVM frequency range (FREQRNG field of ENVN_CR system register) must be set to its maximum value to ensure correct programming of the eNVM.

Version 2.1

Changes since previous version

- Updated driver write function for eNVM block 0 and 1.
- Updated driver for write to or unlock the last byte of eNVM.
- Updated driver to access user area after accessing protected area of eNVM.

Version 2.0

Initial public release.

SmartFusion2 MSS eNVM Driver source code SVN revision numbers

The table below lists the SVN revision number of the files making up the SmartFusion2 MSS eNVM driver. These revision numbers can be seen at the top of each source file. They can be used to identify the version of driver used in an existing project.

File	SVN revision					
	Version 2.0	Version 2.1	Version 2.2	Version 2.3	Version 2.4	Version 2.5
drivers/mss_nvm.h	5362	6113	6113	7556	7844	8442
drivers/mss_nvm.c	5316	6113	6452	7556	7844	8442