



Silicon Motion, Inc.

SM3257ENLT Test Program and ISP Release Note

**SM3257ENLT Test Program and ISP Release Note:**

Release Date	ISP Version	ISP Check Sum	Test AP Version	Description
2012/10/31	121024-LT	SM3257ENLTISP-ISPSA21nmTLC.bin 00696BFC SM3257ENLTISP-ISPSD19nm4P.bin 006CE48E SM3257ENLTISP-ISPT19nm4P.bin 006D35F0	V 2.3.98 v4 12/10/25 Build	<ol style="list-style-type: none"> 1. First SM3257ENLT MP tool / FW formal release 2. Support Samsung 21nm TLC ACG-A die: K9ACGD8U0A (x1 mode) 3. Support SanDisk 19nm TLC 128Gb: SDTNQCAMA-016G 4. Support Toshiba 19nm TLC 128Gb: TC58TEG7T2JTA00
2012/11/09	121106-LT	SM3257ENLTISP-ISPSA21nmTLC.bin SM3257ENLTISP-ISPSD19nm.bin SM3257ENLTISP-ISPT19nm.bin	V 2.3.98 v4 12/10/25 Build	<ol style="list-style-type: none"> 1. Enable cache read for 19 / 21nm TLC (8K 2Plane Flash). 2. Support Samsung 21nm TLC ACG-A die: K9ACGD8U0A (x2 mode)
2012/11/21	121112-LT	SM3257ENLTISP-ISPSA21nmTLC.bin 00696BAE SM3257ENLTISP-ISPSD19nm4P.bin 006CE014 SM3257ENLTISP-ISPSD19nmDDR4P.bin 006D2359 SM3257ENLTISP-ISPT19nm4P.bin 006D3176	V 2.5.02 v3 12/11/16 Build	<ol style="list-style-type: none"> 1. Enable pre-read to improve read performance for 21nm TLC (8K 2Plane Flash) 2. Support Micron 20nm MLC L84 DDR / 25nm TLC B74 SDR: MT29F64G08CBABB / MT29F64G08EBAAA 3. Support Samsung 21nm TLC ABG-C die: K9ABGD8U0C
2013/01/02	121221-LT	SM3257ENLTPTTEST.BIN SM3257ENLTISP.BIN	V 2.5.06 v7 12/12/21 Build	<ol style="list-style-type: none"> 1. Support Samsung 21nm TLC 1CE / 2Die: K9BDGD8U0A / K9CFGD8U1A 2. Support Samsung 27nm TLC: K9ABGD8U0B 3. Support Micron 25nm TLC B74 SDR 1CE / 2Die:



				<p>MT29F256G08EJAAA</p> <ol style="list-style-type: none"> Support Toshiba / SanDisk 19nm 32Gb / 64Gb TLC: TC58TEG5T2JTA00 / TC58TEG6T2JTA00 / SDTNQCAMA-004G / SDTNQCAMA-008G Support SanDisk 19nm 128Gb TLC 1CE / 2Die: SDTNQCBMA-032G Enhance 19nm 8K 2Plane write performance. Modify USB change state for Mac compatibility. Improve SPOR
2013/01/24	130121-LT	SM3257ENLTISP.BIN	V 2.5.10 v6 13/01/17 Build	<ol style="list-style-type: none"> Modify Intel L84A initial original bad flow. Fix DTM1.6 and Serial Number length issue Improve SPOR ability
2013/03/04	130225-LT	SM3257ENLTPTEST.BIN SM3257ENLTISP.BIN	V 2.5.14 v1 13/02/25 Build	<ol style="list-style-type: none"> Support Samsung 21nm 16Gb TLC: K9AAGD8U0A Support Micron 20nm 32Gb MLC L83A: MT29F32G08CBADA / MT29F32G08CBADB
2013/04/05	130403-LT	SM3257ENAALTISP.BIN	V 2.5.14 v3 13/03/26 Build	<ol style="list-style-type: none"> Support Intel 25nm TLC B74: JS29F64G08AATE1 Support Micron 20nm MLC L85: 29F128G08CBCAB Support Micron 25nm MLC L74: MT29F64G08CBAAA, MT29F64G08CBAAB Support Hynix 20nm MLC UBG-C Die: UCG-A die , H27UBG8T2CTR, H27UCG8T2ATR
2013/05/07	130503-LT	SM3257ENAALTISP.BIN	V 2.5.18 v1	<ol style="list-style-type: none"> Support SanDisk 19nm 32Gb MLC: SDTNQFAMA-004G Fine-tune WinSAT (ready boost) read performance



			13/04/25 Build	<ol style="list-style-type: none"> 3. Modify Win8 LED blinking status 4. Enhance system block protection 5. New alignment to solve "Unallocated partition" issue in some specific capacity.
2013/06/17	130524-LT 130606-LT 130606-LT	SM3257ENAALTISP.BIN SM3257ENLTISP-ISPSA19nmTLC SM3257ENLTISP-ISPSA19nmTLC4P	V 2.5.22 v6 13/06/13 Build	<ol style="list-style-type: none"> 1. Support SanDisk / Toshiba 19nm 64Gb MLC Type B: SDTNQFAMA-008G / TC58TEG6DCJTA00 2. Support Samsung 1xnm 64/128Gb TLC: K9ACGD8U0B / K9ADGD8U0M 3. Enhance system block protection for Intel / Micron Flash 4. Update Pre-test to support Samsung 21nm 16Gb K9AAGD8U0A in fix capacity.
2013/08/16	130816-LT	SM3257ENLTISP-ISPSA19nmTLC SM3257ENLTISP	V 2.5.25 v8 13/08/08 Build	<ol style="list-style-type: none"> 1. Support Samsung 1xnm 32Gb TLC: K9ABGD8U0D 2. Support SanDisk 1ynm MLC: SDTNRGAMA-008G 3. Support Micron L84C: 29F64G08CBEDB 4. Support Hynix 16nm MLC: H27UCG8T2DTR 5. Support Toshiba 19nm / 24 / 32nm MLC: TC58TEG5DCJTA00 / TC58TEG6DDJTA00 / TC58NVG5D2HTA00 / TC58NVG4D2FTA00 6. Improve early move error handling 7. Support Spectek L85 (Half Plane): FNNL85A61KDBABH6-HP 8. Support Spectek L74 AR_61: FBNL74A61K38AAWP-AR 9. Support Spectek L84 AR_61: FBNL84A61K38AAWP-AR 10. Support Spectek L85_8K: FNNL85A71MDBABJ4-AL



				11. Support Spectek L85A_AR71: FBNL85A71KDBAAH6-AR
2013/09/02	130902-LT	SM3257ENLTISP-ISPSA19nmTLC SM3257ENLTISP-ISPSA19nmTLC4P	V 2.5.27 v1 13/09/02 Build	1. Modify early move criteria
2013/10/07	130905-LT 131002-LT 131002-LT 131002-LT 131002-LT 131002-LT 131002-LT	SM3257ENLTISP SM3257ENLTISP-ISPSA19nmTLC SM3257ENLTISP-ISPSA19nmTLC4P SM3257ENLTISP-ISPSD19nm SM3257ENLTISP-ISPSD19nm4P SM3257ENLTISP-ISPT19nm SM3257ENLTISP-ISPT19nm4P	V 2.5.27 v8 13/10/04 Build	1. Update MPTool to fix Autohandler + Factory Driver can't scan UFD issue 2. Update SanDisk / Toshiba 19nm TLC FW to improve error handling in M0902. (FW M0628 or before is ok)