



Silicon Motion, Inc.

SM3257ENBA Test Program and ISP Release Note

**SM3257ENBA Test Program and ISP Release Note:**

Release Date	ISP Version	ISP Check Sum	Test AP Version	Description
2013/09/02	130902-BA	SM3257ENBAISP SM3257ENBAISP-ISPSA19nmTLC SM3257ENBAISP-ISPSA19nmTLC4P	V 2.5.27 v1 13/09/02 Build	<ol style="list-style-type: none"> 1. SM3257ENBA MP tool / FW first formal release 2. Support Samsung 1xnm ADG-M: K9ADGD8U0M 3. Support Samsung 1xnm ACG-B: K9ACGD8U0B 4. Support SanDisk 19nm 64Gb / 128Gb TLC: SDTNQCAMA-008G / SDTNQCAMA-016G 5. Support Micron 20nm 64Gb MLC L84A: MT29F64G08CBABA, MT29F64G08CBABB
2013/10/07	130905-BA 131002-BA 131002-BA 131002-BA 131002-BA 131002-BA 131002-BA	SM3257ENBAISP SM3257ENBAISP-ISPSA19nmTLC SM3257ENBAISP-ISPSA19nmTLC4P SM3257ENBAISP-ISPSD19nm SM3257ENBAISP-ISPSD19nm4P SM3257ENBAISP-ISPT19nm SM3257ENBAISP-ISPT19nm4P	V 2.5.27 v8 13/10/04 Build	<ol style="list-style-type: none"> 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. 3. Support Samsung 1xnm ABG-D: K9ABGD8U0D 4. Support Micron 20nm 128Gb MLC L85A: MT29F128G08CBCA
2014/01/16	131219-BA	SM3257ENBAISP-ISPSA19nmTLC SM3257ENBAISP-ISPSD19nm SM3257ENBAISP-ISPT19nm	V 2.5.31 v8 14/01/16 Build	<ol style="list-style-type: none"> 1. Support Samung 19nm TLC ADG-M, 2CE/4Die: K9CHGD8U1M 2. Support Sansung 21nm ACG-A die 1CE/2Die: K9BDGD8U0A 3. Support Samsung 19nm 16Gb TLC AAG-B die:



				<p>K9AAGD8U0B</p> <ol style="list-style-type: none">Support Toshiba 19nm 64 / 128Gb TLC: TC58TEG6T2JTA00, TC58TEG7T2JTA00Support SanDisk A19nm 64Gb TLC: SDTNRCAMA-008GSupport SanDisk A19nm 64Gb MLC: SDTNRGAMA-008GSupport Hynix 20nm 64Gb MLC UCG-B die, H27UCG8T2BTR
2014/02/24	140218-BA	SM3257ENBAISP	V 2.5.33 v1 14/02/18 Build	<ol style="list-style-type: none">Modify power-on PHY settingSupport Samsung 1xnm 64Gb TLC ACG-B die (4CE/8Die): K9ACGD8U0B (4CE/8Die)
2014/05/19	140505-BA	SM3257ENBAISP	V 2.5.35 v2 14/05/07 Build	<ol style="list-style-type: none">Support Spectek B74A: FBNL7BT65KDBAAWPSupport Hynix 16nm UCG-E die: H27UCG8T2ETRSupport SanDisk 19nm 64Gb TLC (16K/2Plane): SDTNRIAMA-008GK.Support Toshiba 19nm 64Gb TLC: TC58TEG6TCKTA00Update SanDisk 1ynm TLC SDTNRCAMA-008G read retry.



2014/05/30	140528-BA	SM3257ENBAISP	V 2.5.35 v7 14/05/29 Build	<ol style="list-style-type: none">1. Apply Sandisk 1ynm read retry (app v1.2)2. Support Micron 16nm 128Gb MLC L95B: MT29F128G08CBECB
2014/07/21	140717-BA	SM3257ENBAISP	V 2.5.36 v7 14/06/27 Build	<ol style="list-style-type: none">1. Support Samsung 1ynm 64Gb TLC ACG-D die: K9ACGD8U0D2. Support Toshiba A19nm 128Gb 7TDK 1CE/2Die: TH58TEG9TDKTA203. Support Hynix 16nm QCG-F die: H27QCG8D2F5R
2014/09/01	140825-BA	SM3257ENBAISP	V 2.5.37 v8 14/08/25 Build	<ol style="list-style-type: none">1. Improve Read only application and error handling for Samsung 1x / 1ynm TLC2. Fix Samsung 19nm 128Gb TLC (ADG-M) 1CE/2Die initial issue (only happen in N0717v2)3. Improve printer (Android) compatibility.4. Support Toshiba A19nm 64Gb MLC: TC58TEG6DDKTA005. Support SanDisk 24nm SLC: TC58NVG2S0HTA00
2014/09/30	140825-BA	SM3257ENBAISP	V 2.5.37 v9 14/09/12 Build	<ol style="list-style-type: none">1. Support Samsung 1ynm 32Gb TLC ABG-E die: K9ABGD8U0E2. Support Micron 34nm SLC M69A, MT29F2G08ABAEA



2014/10/23	141015-BA	SM3257ENBAISP	V 2.5.38 v3 14/10/09 Build	<ol style="list-style-type: none">1. Support Hynix 16nm 128Gb MLC: H27QDG8D2B8R2. Improve Mac compatibility.
2014/12/30	141218-BA	SM3257ENBAISP	V 2.5.39 v5 14/12/03 Build	<ol style="list-style-type: none">1. Update SanDisk 1ynm TLC retry to v1.5. (Implement from Internal N1106v3)2. Improve FAT table ECC fail handling when SPOR.3. Support Toshiba 15nm 128Gb MLC: TC58TEG7DDLTA004. Support SanDisk A19nm 128Gb MLC: SDTNRHAMA-016G5. Support SanDisk A19nm 128Gb TLC: SDTNRIAMA-016GK6. Support Micron 16nm 64Gb MLC L94C: MT29F64G08CBEFB7. Support Toshiba A19nm 32Gb MLC: TC58TEG5DCKTA008. Support Samsung 16nm 64Gb TLC ACG-D die 1CE/2Die: K9BDGD8U0D
2015/02/09	150122-BA	SM3257ENBAISP	V 2.5.40 v9 15/01/16 Build	<ol style="list-style-type: none">1. Support SanDisk 1znM 128Gb MLC: SDTNSGAMA-016G2. Support Samsung 16nm 64Gb ACG-D die 1CE/2Die x4 mode: K9BDGD8U0D_SI43. Support Samsung 16nm 128Gb TLC ADG-D die: K9ADGD8U0D
2015/06/16	150513-BA	SM3257ENBAISP	V 2.5.42 v7 15/05/04	<ol style="list-style-type: none">1. Support Toshiba 15nm 128Gb TLC: TC58TEG7THLTA002. Support Hynix 20nm 32Gb MLC: H27UBG8T2CTR



			Build	<ul style="list-style-type: none"> 3. Support SanDisk 1znm 128Gb TLC: SDTNSIAMA-016G / SDTNSIBMA-032G 4. Support Spectek L85A half Plane: FBNL85ANAKDBAAH6-HP 5. Support Samsung 16nm 128Gb TLC ADG-D die 1CE/2Die: K9BFGD8U0D 6. Support Toshiba 15nm 64Gb MLC: TC58TEG6DDLTA00 7. Support Hynix 20nm 64Gb MLC UCG-B die: H27UCG8T2BYR 8. Support Hynix 16nm 128Gb MLC: H27QDG8D2B8R
2015/07/20	150703-BA	SM3257ENBAISP	V 2.5.43 v8 15/07/07 Build	<ul style="list-style-type: none"> 1. Support Toshiba 15nm 64Gb TLC: TC58TEG6TGLTA00 2. Support Toshiba 15nm 128Gb TLC: TC58TEG7THLTA00 x2 / x4 mode
2015/10/12	150703-BA	SM3257ENBAISP	V 2.5.45 v2 15/10/08 Build	<ul style="list-style-type: none"> 1. Support SanDisk 1znm 64Gb TLC: SDTNSCAMA-008G 2. Update SM3257ENBA + Hynix 16nm 64Gb QCG-E die setting. 3. Support Toshiba 15nm 128Gb TLC (Toshiba original package sample): TH58TEG9THLTA20 x1 / x2 4. Support Hynix 16nm 64Gb MLC QCG-F die: H27QCG8D2F5R
2015/11/04	151013-BA	SM3257ENBAISP-ISPSPD15nm	V 2.5.45 v2 15/10/08	<ul style="list-style-type: none"> 1. Update FW error handling / timing for SanDisk 1znm 64Gb



			Build	TLC: SDTNSCAMA-008G
2016/05/11	160429-BA	SM3257ENBAISP	V 2.5.49 v2 16/04/29 Build	<ol style="list-style-type: none">1. Support Micron 16nm 128Gb MLC L95B 4CE/8Die: MT29F1T08CUECB2. Support Micron 20nm 64Gb MLC L84D x1/x2/x4: MT29F64G08CBCEB3. Support Micron 25nm 32Gb MLC L73: MT29F32G08CBACA4. Support Toshiba 15nm 32Gb MLC: TC58TEG5DCLTA005. Support Samsung 14nm 128Gb TLC x1/x2/x4: K9ADGD8U0F
2016/06/13	160523-BA	SM3257ENBAISP	V 2.5.49 v6 16/05/26 Build	<ol style="list-style-type: none">1. Add Zero padding for Samsung 16nm / 14nm TLC.
2016/08/31	160816-BA	SM3257ENBAISP-ISPT15nm	V 2.5.51 v5 16/08/16 Build	<ol style="list-style-type: none">1. Support SanDisk 15nm 64Gb MLC: SDTNSGAMA-008Gx12. Update Toshiba 15nm TLC ISP to fix DDR issue.