



Silicon Motion, Inc.

SM3281 Series Test Program and ISP Release Note

**SM3281 Series Test Program and ISP Release Note:**

Release Date	ISP Version	ISP Check Sum	Test AP Version	Description
2018/08/31	180803-AB	SM3281AB_ISP_TLC_SS_3D_V4_AFG.Bin SM3281AB_ISP_TLC_SS_3D_V4_AHG.Bin SM3281AB_ISP_MLC_L06.Bin SM3281AB_ISP_MLC_B16.Bin SM3281AB_ISP_TLC_SD_3D_Bics3_128Gb.Bin SM3281AB_ISP_TLC_SD_3D_Bics3_256Gb.Bin SM3281AB_ISP_TLC_SD_3D_Bics3_512Gb.Bin	V 2.5.67 v4 18/08/03 Build	<ol style="list-style-type: none">1. Modify Diff address function to improve initial capacity2. Improve read performance by using shift operation.3. Enable read reclaim function in MultiSparePool to increase reliability4. Support Micron 3D TLC B16 MT29F256G08EBHAF-ES x15. Support Hynix 3D V3 TLC H27QEG8M3M8R6. Support SanDisk 1znm 4Plane MLC 64GB &128GB7. Support Micron 3D TLC B17 x1 x2 MT29F512G08EBHAF8. Support SanDisk 3D BiCS3 128Gb TLC SDTNBIAMA-016G x1 x29. Support SanDisk 3D BiCS3 256Gb TLC SDYNBIAMA-032G x1 x210. Support SanDisk 3D BiCS3 512Gb TLC : SDZNBIAAMA-064G x1 x211. Support Micron & Spectek N18 QLC mode and SLC mode x1



2019/03/25	190312-AB	All ISP	V 2.5.70 v4 19/03/08 Build	<ol style="list-style-type: none"> 1. Support Hynix 3D V4 TLC x1 x2 x4 2. Support Micron B05A MT29F128G08EBCDB x1 3. Support Micron L06 MLC MT29F256G08CBCBBx1 4. Support SanDisk BiCS4 TLC SDUNCIAMA-032GB 5. Support Intel N18A QLC 29F01T2ALCQH1 x1/x2 6. Support Hynix 14nm MLC H27TDG8T2D8R 7. Support Spectek B27A TLC FBNB27A512G0KTBAFJ4 8. Support Toshiba BiCS4 TLC 9. Support Hynix 3DV3 TLC H27QEG8M3M8R 10. Support Hynix 3D V5 TLC H25BFT8A1M8R 11. Support Micron MLC L95B 29F128G08CBECB 12. Support Samsung 3D V4 TLC K9AFGD8H0A x1x2 13. Fixed SanDisk Random data out ALE issue. 14. Fix page number per block variable in adjust DW_TLCReserveRatio.
2019/07/22		SM3281AB_ISP SM3281BA_ISP SM3281BB_ISP	V 2.5.71 v1 19/06/24 Build	<p>Support the preload flow for ExFAT.</p> <p>SM3281AB & Vccq1.8V:</p> <ol style="list-style-type: none"> 1. Support Samsung 3D V4 AFG-A x1 x2 x4 2. Support Samsung 3D V4 AHG-M x1 x2 x4 3. Support SanDisk BiCS3 256Gb x1 4. Support SanDisk BiCS4 256Gb x1



				<ul style="list-style-type: none"> 5. Support Micron B05A x1 6. Support N18A x1 x2 x4 7. Support Hynix 3D V4 x1 x2 x4 8. Support Hynix 3D V5 x1 9. Support SanDisk Bics3_256Gb A_die <p>SM3281BA:</p> <ul style="list-style-type: none"> 1. Support Samsung 3D V5 with Vccq 1.8V 2. Support Micron B27A x1 x2 with Vccq 1.2V 3. Support Micron B27B x1 with Vccq 1.2V 4. Support Micron N28A x1 x2 with Vccq 1.2V 5. Support Hynix 3D V5 x1 x2 with Vccq 1.2V 6. Support Hynix 3D V6 x1 x2 with Vccq 1.2V <p>SM3281BB</p> <ul style="list-style-type: none"> 1. Support Micron B27A x1 x2 with Vccq 1.2V 2. Support Micron B27B x1 with Vccq 1.2V
2019/09/16		SM3281AB_ISP SM3281BA_ISP SM3281BB_ISP	V 2.5.71 v7 19/08/16 Build	<ul style="list-style-type: none"> 1. Modify SanDisk BiCS4 retry table and write pattern flow 2. Add PID/VID : 090C/3282 & 090C/3271 in FactoryDriver 3. Modify MP tool to use Erase All only for Prescan flow <p>SM3281AB & Vccq1.8V:</p> <ul style="list-style-type: none"> 1. Support SanDisk BiCS4 512Gb x1



				<p>SM3281BB</p> <ol style="list-style-type: none">1. Support Micron N28A x1 x2 with Vccq 1.2V2. Support Hynix 3DV6 H25JGT8A1M x1 x2 with Vccq 1.2V
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