



**Silicon Motion, Inc.**

## **SM3257EN Test Program and ISP Release Note**

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Release Date	ISP Version	ISP Check Sum	Test AP Version	Description
2011/01/10	110110-AA-	SM3257ENAAISP-IPSPDEX3.BIN 0x 0077B55C SM3257ENAAISP-ISPTEx3.BIN 0x0077BD20	V2.03.35 v11 10/12/30	<ol style="list-style-type: none"> <li>1. SM3257ENAAISP Sandisk X3,eX3 and Toshiba eD3 32nm TLC and support 8K/258page &amp; 8K/192page. SM3257ENAAISP support winsat function</li> <li>2. SM3257ENAAISP enhance wear-leveling.</li> <li>3. SM325Xtest.exe support SM3257ENAA IC version.</li> </ol>
2011/01/21	110117-AA-	SM3257ENAAISP-B74A.BIN 0x 0069028A SM3257ENAAISP-27nm.BIN 0x0067748B	V2.03.36 v5 11/01/17	<ol style="list-style-type: none"> <li>1. SM3257ENAAISP-B74A.Bin to support Intel/Micron 25nm TLC B74A</li> <li>2. SM3257ENAAISP-27nm.BIN to support SEC 27nm TLC K9ACGD8U0M, K9ABGD8U0B</li> <li>3. SM3257ENAATSPTEST.BIN modify when system block is bad block , pretest will find the next block</li> <li>4. SM325xtest.exe modifies open short test flow.</li> </ol>
2011/02/01	110131-AA	SM3257ENAAISP-B74A.BIN 0x 005F94FB SM3257ENAAISP-27nm.BIN 0x 00691AD9	V2.03.36 v9 11/01/27	<ol style="list-style-type: none"> <li>1. SM3257ENAAISP fix MAC compatibility issue.</li> <li>2. Support Micron M64A SLC 29F8G08ABABA</li> <li>3. Support Micron M62B SLC MT29F16G08ABABA</li> <li>4. Support Micron M62B SLC MT29F64G08AJABA</li> <li>5. Support Samsung 32nm SLC Toggle Flash for SM3257EN and set 40bit ECC.</li> <li>6. Support Samsung K9KBGD8U1M and K9KBGD8U1M</li> <li>7. Adjust clock rate to 80MHz for Sandisk &amp; Toshiba 24nm MLC.</li> </ol>



				<ul style="list-style-type: none"> <li>8. Enhance Toshiba / Sandisk read-retry function.</li> <li>9. Fix 超穩定測試 fail for Spare block erase.</li> <li>10. SM3257ENAAISP fix SEC 27nm TLC Read-retry.</li> <li>11. MP tool QC add new function for downgrade BIN level.</li> <li>12. MP add external execute file call function with tool initial and destroy.</li> <li>13. MP add external option to bypass check USB 2.0.</li> <li>14. MP fixed to support two current limit control board.</li> </ul>
2011/02/18	110131-AA	SM3257ENAAISP.BIN 0x 00666FBB SM3257ENAAISP-B74A.BIN 0x 01BF749B SM3257ENAAISP-27nmES.BIN 0x 00689D0E	V2.03.36 v15 11/02/15	<ul style="list-style-type: none"> <li>1. 3257EN ISP fix NTFS format will mis-compare fail issue.</li> <li>2. 3257EN ISP fix RELN ROM code bug after power-on/off.</li> <li>3. F/W will auto-load B74A ISP for Micron B74A.</li> <li>4. Data base modify the Samsung K9LBG08U0E block setting.</li> <li>5. Data base add Micron 29F32G08ABAAA (2C680027) supporting</li> <li>6. MP tool fixed Transcend Bitmap un-disappear with device removed.</li> <li>7. MP tool fixed Ethernet connect setting display error.</li> </ul>
2011/03/17	110311-AA	SM3257ENAAISP.BIN 0x 00664ACC SM3257ENAAISP-B74A.BIN 0x 01BF4F76	V2.03.37 v11 11/03/17	<ul style="list-style-type: none"> <li>1. SM3257ENAAISP enhance WinSAT performance to pass DTM logo.</li> <li>2. SM3257ENAAISP fixed the system block have ECC fail and initial fail.</li> <li>3. SM3257ENAAISP fixed USB-IF logo gold tree issues</li> <li>4. SM3257ENAAISP fixed 5V normal power cycling FAT block serial number error issue.</li> </ul>



		SM3257ENAAISP-27nmES.BIN  0x 0068B3EA		<p>5. SM3257ENAAISP disable differential function Type2/Type3 on SanDisk/Toshiba Flash.</p> <p>6. Added for Toshiba &amp; SanDisk 24nm TLC/MLC flash supporting.</p> <p>7. SM3257ENAAISP 5V normal power cycling different address block DB_nowintlev error after load DiffTable.</p> <p>8. DBF settings adjusted SanDisk &amp; Toshiba 32nm TLC (eX3,eD3) clock rate from 60Mhz to 80MHz.</p> <p>9. MP added Ethernet communication with Hontect Auto-Handler HT-3315.</p> <p>10. MP enable function - B74 flash download ISP with weak page write random data.</p> <p>11. MP update alignment rule for read / write performance.</p> <p>13. MP added auto-handler 3315 connect reference file for ADATA.</p> <p>13. MP fixed MP tool FAT mode preload file crash with long filename or directory name.</p> <p>14. Fixed MP tool Dialog Read CID show card mode error.</p>
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