

## SM2260 L06B F/W Release Note

FW Package	MP Tool Version	ISP Version	Note
<b>C2.2.12</b>	<b>V3.2.13</b>	<b>C2.2.12</b>	<ul style="list-style-type: none"> <li>● Based on FW C2.3.7.</li> <li>● Fixes of IOL test (V6.0).</li> <li>● No ATA security included.</li> </ul>
C2.2.2 TCG Beta	V3.2.4	C2.2.2	<ul style="list-style-type: none"> <li>● Enable TCG Opal 2.0 (including IEEE 1667/eDrive). The performance would be degraded when TCG Opal is enabled.</li> <li>● Enable Samsung DRAM settings for 128/256/512/1024GB SSD configurations.</li> <li>● Limit the number of active program/erase dies.</li> <li>● Fine tune thermal throttling settings to limit PS1 performance degradation within 20% (compared to PS0).</li> <li>● Use 4B Read in Get Feature to avoid NAND compatibility issue (some previous version not allowing 1B Read).</li> </ul>
C2.1.9	V3.2.3	C2.1.9	<ul style="list-style-type: none"> <li>● Support 2LUNs/CE for 1TB drive configuration</li> <li>● Enable MIRA DRAM setting.</li> <li>● Support to erase previous INFO blocks.</li> <li>● MP V3.2.3 enable the following features <ul style="list-style-type: none"> <li>- Add RDT Kick Off Command after load RDT FW</li> <li>- Update SMI driver to "WinDrv2260_142000_20161117.zip"</li> <li>- Support 8P Tester (8P HW Tester is not released yet, available in Jan.'17)</li> <li>- Add Date (YY/MM/DD) Mask of serial number</li> <li>- Add "Erase Previous Info Blocks" option in Pretest setting (( "EraseInfoBlk" of "OPTION" in System.ini))</li> <li>- Add DRAM vendor MIRA</li> <li>- Add to save BarCode list to <a href="#">\\LogFile\BarCode.txt</a></li> </ul> </li> </ul>
C2.1.6	V3.2.0	C2.1.6	<ul style="list-style-type: none"> <li>● Rollback to use Set Feature to switch between SLC and TLC modes since some NAND parts may not be capable of 0xDA/0xDF commands.</li> <li>● Add 2-steps PS4 feature. The number of PS3 stay time in LightSwitch is used to toggle this feature (e.g. number != 0 to enable; number = 0 to disable).</li> <li>● Update MPTool to support 2x 4-port tester (cascaded as 8-port tester).</li> <li>● Enable NAND ODT features.</li> <li>● Disable L0s support in ASPM by default (configurable in MPTool).</li> <li>● Bug fixes for 2TB drive and enhance error recovery statistics for 2TB configuration.</li> <li>● Update SMI drive to "WinDrv2260_141800_20161024.zip".</li> <li>● Update EZTool to "EzTools_2260_Micron_P1114A_V1.2.12".</li> </ul>
C2.1.3	V3.1.3	C2.1.3	<ul style="list-style-type: none"> <li>● Snap Read enablement, code optimization, and Flash command process flow optimization for random performance enhancement (mainly for 1024GB).</li> <li>● Enable 2TB support.</li> <li>● Enable P-Fail feature (needs PCB power circuit to support).</li> <li>● Enhance sequential write performance (especially 128/256GB) by changing ultra-block RAID to super-block, cache program, and DA/DF commands. Due to higher RAID overhead, the "binary capacity" would be not achievable.</li> </ul>

			<ul style="list-style-type: none"> <li>● Add features of MPTool, including new logs by date and bar code scan.</li> <li>● Add configurability of APST in MPTool, and default is APST disabled.</li> </ul>
C2.0.8	V3.1.2	C2.0.8	<ul style="list-style-type: none"> <li>● Remove IEEE in Identify Controller and EUI64 in Identify Namespace.</li> <li>● Update NGUID for Win10 compatibility issue.</li> <li>● Shrink write cache size to 3MB.</li> <li>● Disable setup PERST GPIO20 interrupt.</li> <li>● Upgrade MP Tool to V3.1.2 and driver, "WinDrv2260_141700_20160921.zip".</li> </ul>
C2.0.5	V3.1.0	C2.0.5	<ul style="list-style-type: none"> <li>● Enable "Whole Drive SLC Mode", which is configurable via MP Tool.</li> <li>● Bug fixes for PCIe 4-port Tester MFG SW.</li> <li>● Update MP Tool driver, "WinDrv2260_9941501_20160913.zip".</li> </ul>
C2.0.0	V3.0.1	C2.2.0	<ul style="list-style-type: none"> <li>● Enable Intel L06B.</li> <li>● Update DRAM parameters.</li> <li>● Enable multi-port initialization on 4-port Tester.</li> </ul>
C1.0.5	V2.2.2	C1.0.5	<ul style="list-style-type: none"> <li>● Initial FW release, including MPTool and EZTool.</li> <li>● Support Micron L06B.</li> </ul>

**Note:**

1. F/W and ISP update is recommended.
2. History # is denoted by "Version-Date".

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