

# Innoster Technology Corporation

## IS903 MP Package Revision History

1. MP Package Title: IS903 MP Package

### 2. Revision History

Rev.	Date	History	Initiator
V100_00_1207111	2012/07/11	Version List : Firmware V1.00 MP Tool V2.09.00.17 Flash DB V4.01.00 User Manual V100_00  Initial version.	Michelle
V101_00_1209181	2012/09/18	Version List : Firmware V1.01 MP Tool V2.10.00.56 Flash DB V4.02.13 User Manual V101_00  Modify as below : FW : [1]. Fixed. Update record could be overflow in Power Cycling. [2]. Pseudo 2 Plane could be get wrong address when read retry. [3]. Modify good block link table incorrect issue. MP Tool : [1]. Config Option : 1. Add support Non-GBL. 2. Add Fat32+OPT in the file system. [2]. Other Improve : 1. Modified check used size function. 2. Modified get Image file size function. 3. Modified H-Scroll bar when move to 100 issue of partition DLG and Cancel function of force capacity DLG. 4. Modified partition function for support large than 4G file. 5. Modified get "FixedRemoval" item function. 6. Modified Get FW file path function. 7. Modified format function( if device type is Fixed, do create MBR ). 8. Modified get cluster function. 9. Fixed issue of read SETTING.SET. 10. Modify calculating the upper limit method for the capacity. 11. Fix Error 112. 12. Fixed copy-test. 13. Change hub/port location module. 14. Modify Format Function(change security of NTFS ). Flash DB : (Flash support refer to Support List) [1]. Add Hynix 20nm MLC H27UBG8T2C and Toshiba 19nm MLC TC58NVG6DDJTA00,TH58NVG7DDJTA20,TH58NVG8DDJTA20 information. [2]. Add SanDisk 19nm TLC SDTNQCAMA-004G information. [3]. Add Toshiba 19nm MLC TC58TEG5DCJTA00,TC58TEG5DCJTA10 and 19nm TLC TC58TEG5T2JTA00, TC58TEG7T2JTA00, TH58TEG8T2JTA20,TH58TEG9T2JTA20 information. [4]. Update ID : Samsung 27nm MLC K9PFGY8U5A,K9PFGY8U7A,K9UHG8Y8UCA. [5]. Add Toshiba 32nm MLC TH58NVG5D2FTA20 information. [6]. Add ID of Samsung 21nm TLC K9CFG8U1A.	Michelle

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		<p>[7]. Add Toshiba 19nm TLC TC58TEG6T2JTA00 and SanDisk 24nm TLC SDZNPQBHER-016G,SDZNPQCHER-032G,SDZNPQDHER-064G information.</p> <p>[8]. Add ID of Toshiba 19nm TLC TC58TEG5T2JTA00.</p> <p>[9]. Add Intel L74A PF29F64G08LCME1,PF29F16B16MCME1, PF29F32B16NCME1 information.</p> <p>[10]. Add Toshiba 32nm MLC TH58TVG7D2FBA89,TH58TAG8D2FBA89 information.</p> <p>[11]. Add Hynix 20nm MLC H27UAG8T2C information.</p> <p>[12]. Correct ID :</p> <p>Micron 20nm MLC L85A MT29F128G08CBCAB, MT29F256G08CECAB, MT29F512G08CKCAB, MT29F512G08CMCAB, MT29F1T08CUCAB and Toshiba 32nm MLC TH58TVG7D2FBA89,TH58TAG8D2FBA89 information.</p> <p>[13]. Add Toshiba 19nm TLC TC58TEG5T2JTA00 information.</p> <p>[14]. Change Part number from MT29F1024G08CUCAB to MT29F1T08CUCAB.</p> <p>[15]. Add Samsung 21nm TLC K9GBG08U0B information.</p>	
V103_00_1211121	2012/11/12	<p>Version List :</p> <p>Firmware V1.03</p> <p>MP Tool V2.10.01.15</p> <p>Flash DB V4.02.16</p> <p>User Manual V103_00</p> <p>Modify as below :</p> <p>FW :</p> <p>[1]. Improve Power Cycling. Speed up USB attached time.</p> <p>[2]. Improve DDR training.</p> <p>[3]. WHCK certification passed.</p> <p>[4]. Added Cache Command Set firmware.</p> <p>[5]. Fixed User Command Mode issue.</p> <p>MP Tool :</p> <p>[1]. Config Option :</p> <ol style="list-style-type: none"> <li>1. Add ENFP Option.</li> <li>2. Add SN Log to output.</li> <li>3. Add Enable Unique Serial Number Function.</li> <li>4. Hot Key : F8, Change Function To ResetHub.</li> <li>5. Add Hex Base In The SN.</li> <li>6. Add LED blink in the LED dialog.</li> </ol> <p>[2]. Other Improve :</p> <ol style="list-style-type: none"> <li>1. Fix Force Capacity Issue.</li> <li>2. Modify Partition Function.</li> <li>3. Fix Partition Function And UI Issue.</li> <li>4. Modify Support DDR Option UI.</li> <li>5. Fix Main UI Issue.</li> <li>6. Fix Serial Number Function Issue.</li> <li>7. Force Capacity and Partition Function Can Set At The Same Time.</li> <li>8. Modify Scan Device Issue For Customer.</li> <li>9. Prevent SDR Flash to load DDR firmware.</li> <li>10. Modify Format Function.</li> <li>11. Output current space of the StorageDeviceID.</li> <li>12. A maximum of 31 with length of serial number.</li> <li>13. Modify Get String Function.</li> <li>14. Fix the Issue that run MP fail after reading information.</li> <li>15. Enhance MP speed on XP.</li> <li>16. Modify check device function.</li> </ol>	Michelle

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		Flash DB : (Flash support refer to Support List) [1]. Change Micron PN of MT29F1TG08CUCAB. [2]. Add Samsung 21nm MLC K9LCG08U0B information. [3]. Add Micron L83A MT29F32G08CBADA, MT29F32G08CBADB, MT29F64G08CFADA, MT29F64G08CFADB, MT29F64G08CECDB, MT29F128G08CMCDB, MT29F256G08CUCDB information. [4]. Add Micron L84C MT29F64G08CBCDB, MT29F128G08CECDB, MT29F256G08CKCDB, MT29F256G08CMCDB, MT29F512G08CUCDB information. [5]. Add Toshiba 24nm SLC TH58TEG6H2HBA4C, TH58TEG6H2HBAMC, TH58TEG7H2HBA8C, TH58TEG7H2HBASC, TH58TEG8H2HBA89, TH58TEG8H2HBAS9 information. [6]. Add Toshiba 19nm MLC TH58TEG7CDJBA4C, TH58TEG8CDJBA8C, TH58TEG9CDJBA89 information.	
V104_00_1212141	2012/12/14	Version List : Firmware V1.04 MP Tool V2.10.01.53 Flash DB V4.02.20 User Manual V104_00  Modify as below : FW : [1]. Added LED with PWM function. [2]. Added Hynix 20nm Training. [3]. Modify Cache Read Retry flow. [4]. Disable Data Inverse function to avoid read retry corner case. MP Tool : [1]. Config Option : 1. Add HubPort Location define. 2. Add AutoDeleteExternIni=1, delete ini file for not exist file of the Directory of mp package. [2]. Other Improve : 1. Enhance Copy Test Function. 2. Enhance handle event for auto Machine. 3. Enhance hubreset. 4. Fixed Hex SN. 5. Fixed hubpath for Window7. 6. Modify device setup UI, add config type. 7. Fix scan device issue. 8. Enhance MainScan. 9. Fixed port location save. 10. Fix copy test issue, testing range is incorrect. 11. Fixed unlock ini file if mp is open. 12. Fixed read info. Flash DB : (Flash support refer to Support List) [1]. Add SanDisk 24nm MLC SDZNPMBHER-008G and Toshiba 24nm MLC TH58TVG8D2GBA8C information. [2]. Add Toshiba 19nm MLC TH58TEG6DCJTA20 information.	Michelle
V105_00_1301291	2013/01/29	Version List : Firmware V1.05 MP Tool V2.10.01.112 Flash DB V4.02.26 User Manual V105_00  Only support Intel/Micron L8XA and L74A flash. Modify as below : FW : [1]. Improve L8X reliability.	Alice

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		<p>MP Tool :</p> <p>[1]. Other Improve :</p> <ol style="list-style-type: none"><li>1. Improve initialization process.</li><li>2. Product Information fix bug.</li></ol> <p>Flash DB : (Flash support refer to Support List)</p> <p>[1]. Add SpecTek L85A and Samsung 27nm MLC K9UHG8U7A information.</p> <p>[2]. Add Micron L85A ID 2C846434A5 and 2CA4E534A5 information.</p> <p>[3]. Add Toshiba 19nm TLC 128Gb ID 983CA9927AD7 information.</p> <p>[4]. Add SanDisk ID 453CA9927AD7 information.</p> <p>[5]. Add Intel L74A PF29F64B08QCME1 and PF29F64B08PCME1 information.</p> <p>[6]. Add Intel L84A JS29F64G08ACMF3, JS29F16B08CCMF3 and JS29F32B08JCMF3 information.</p>	