

Product Change Notice
(SFDM004A/SFDM104B firmware launch - SM210-M280)

Release date: Jun 26, 2017

Dear Valued Customers,

Apacer hereby announces the Product Change Notice of the latest version firmware on SM210-M280 product, as a result of updating firmware to SFDM004A/SFDM104B from SFDM003A/SFDM103B to enhance power failure handling and reliability issues. No change on the hardware of SM210-M280. The details of changing description, schedule and affected part number are listed at below table:

PCN number:	E170626-01	Date:	6/26/2017
Affected Product Model	SM210-M280		
Subject :			
SM210-M280 – firmware change			
Description of Change:			
<ol style="list-style-type: none"> 1. Optimize TSB 15nm ECC flow. 2. Integrate with CoreAnalyzer SMART log function 3. Add thermal throttling function (Optional) 4. Add SMART information (ID 0xAB, 0xAC, and 0xE7) 5. Enhance idle merge mechanism 6. To avoid FW enter into LOCK mode by preventing to write system info when device is out of free block 7. Disable Auto Partial to Slumber to resolve compatibility issue on some platforms. 8. Modify SMART ID 09 “Power on hours” to fix timer count issue. 9. Modify SATA PHY Error Count in S.M.A.R.T. attribute. 10. Enhance power failure management flow. 11. Support 8K/16K mapping algorithm for high capacity. 			
Recommended Action :			
Apacer keeps on supplying SM210-M280 with SFDM003A/SFDM103B firmware but recommends customers to qualify SM210-M280 with the latest version (SFDM004A/SFDM104B) due to better compatibility & reliability.			
Description of Product Part Number Change:			
The new part numbers are listed here			
Operating Temperature No DEVSLP (0°C ~ 70°C)			
Existing	New		
APM2T80SM21032GAS-3ATMG	APM2T80SM21032GAS-4ATMG		
APM2T80SM21064GAS-3ATMG	APM2T80SM21064GAS-4ATMG		
APM2T80SM21128GAS-3ATMG	APM2T80SM21128GAS-4ATMG		
APM2T80SM21256GAS-3ATMG	APM2T80SM21256GAS-4ATMG		

Operating Temperature DEVSLP (0° ~ 70°)

Existing	New
APM2T80SM21032GAS-3BTMG	APM2T80SM21032GAS-4BTMG
APM2T80SM21064GAS-3BTMG	APM2T80SM21064GAS-4BTMG
APM2T80SM21128GAS-3BTMG	APM2T80SM21128GAS-4BTMG
APM2T80SM21256GAS-3BTMG	APM2T80SM21256GAS-4BTMG

Operating Temperature No DEVSLP (-40° ~ 85°)

Existing	New
APM2T80SM21032GAS-3ATMGW	APM2T80SM21032GAS-4ATMGW
APM2T80SM21064GAS-3ATMGW	APM2T80SM21064GAS-4ATMGW
APM2T80SM21128GAS-3ATMGW	APM2T80SM21128GAS-4ATMGW
APM2T80SM21256GAS-3ATMGW	APM2T80SM21256GAS-4ATMGW

Operating Temperature DEVSLP (-40° ~ 85°)

Existing	New
APM2T80SM21032GAS-3BTMGW	APM2T80SM21032GAS-4BTMGW
APM2T80SM21064GAS-3BTMGW	APM2T80SM21064GAS-4BTMGW
APM2T80SM21128GAS-3BTMGW	APM2T80SM21128GAS-4BTMGW
APM2T80SM21256GAS-3BTMGW	APM2T80SM21256GAS-4BTMGW

Schedule:

Sample Available Date	7/1/2017
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Apacer will provide every necessary supports to ensure a smooth transition. If you have any questions and concerns with the content of this notice, please contact with Apacer sales representatives.

We appreciate your cooperation and thank you for your continued support of Apacer products.

**Embedded Application Product Division
Apacer Technology Inc.**