

Product Change Notice

(SFDN004E firmware launch - SM220-300B)

Release date: May 2, 2017

Dear Valued Customers,

Apacer hereby announces the Product Change Notice of the latest version firmware on SM220-300B product, as a result of updating firmware to SFDN004E from SFDN003G to enhance power failure handling and reliability issues. No change on the hardware of SM220-300B.

The details of changing description, schedule and affected part number are listed at below table:

PCN number:	E170502-01	Date:	5/02/2017
Affected Product Model	SM220-300B		
Subject :			
SM220-300B – firmware change			
Description of Change:			
<div>1. Optimize TSB 15nm ECC flow</div> <div>2. Integrate with CoreAnalyzer SMART log function</div> <div>3. Add thermal throttling function (Optional)</div> <div>4. Add SMART information (ID 0xAB, 0xAC, and 0xE7)</div> <div>5. Enhance idle merge mechanism</div> <div>6. To avoid FW enter into LOCK mode by preventing to write system info when device is out of free block</div> <div>7. Disable Auto Partial to Slumber to resolve compatibility issue on some platforms.</div> <div>8. Modify SMART ID 09 “Power on hours” to fix timer count issue.</div> <div>9. Modify SATA PHY Error Count in S.M.A.R.T. attribute.</div> <div>10. Enhance power failure management flow.</div> <div>11. Support 8K/16K mapping algorithm for high capacity.</div>			
Recommended Action :			
Apacer keeps on supplying SM220-300B with SFDN003G firmware but recommends customers to qualify SM220-300B with the latest version (SFDN004E) due to better compatibility & reliability.			
Description of Product Part Number Change:			
The new part numbers are listed here			
Operating Temperature (0℃ ~ 70℃)			
Existing		New	
APM008GNEAN-3GTM1		APM008GNEAN-4ETM1	
APM016GNEAN-3GTM1		APM016GNEAN-4ETM1	
APM032GNEAN-3GTM1		APM032GNEAN-4ETM1	
APM064GNEAN-3GTM1		APM064GNEAN-4ETM1	
APM128GNEAN-3GTM1G		APM128GNEAN-4ETM1G	

Operating Temperature (-40℃ ~ 85℃)

Existing	New
APM008GNEAN-3GTM1W	APM008GNEAN-4ETM1W
APM016GNEAN-3GTM1W	APM016GNEAN-4ETM1W
APM032GNEAN-3GTM1W	APM032GNEAN-4ETM1W
APM064GNEAN-3GTM1W	APM064GNEAN-4ETM1W
APM128GNEAN-3GTM1GW	APM128GNEAN-4ETM1GW

Schedule:

Sample Available Date	6/15/2017
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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.**