



## Product Change Notice (mSATA H1 with the latest version firmeware\_SFPS928A)

Dear Valued Customers,

Apacer hereby announces the Product Change Notice of the latest version firmware for mSATA H1 products, as a result of upgraded firmware to SFPS928A from SFPS921D.

The details of changing description are listed at below table:

<b>PCN Number:</b>	E160906-3	<b>Release Date:</b>	06/09/2016
<b>Affected Product Model</b>	mSATA H1		
<b>Subject :</b>			
Releasing the latest version of firmware (SFPS928A)			
<b>Description of Firmware Change:</b>			
<ol style="list-style-type: none"> <li>1. Support Toshiba 15nm Nand flash</li> <li>2. Fixed AMD A40/A50 chipset – Warm boot detect fail issue</li> <li>3. Fixed Baytrail chipset – DEVSLP compatibility issue during Windows8.1 installation               <ul style="list-style-type: none"> <li>- Adding MP options for disable SeqRead HW auto trigger, delay SeqRead (by adding delay loop after SEQ_READ CMD) and Delay D2H</li> <li>- Gen2 force to disable SeqRead HW auto trigger, delay SeqRead and DelayD2H</li> </ul> </li> <li>4. Updated Toshiba 15nm Nand flash read retry table</li> <li>5. Adjusted the flow timing of multiple “write” commands to avoid unexpected data write in DOS environment</li> <li>6. Added Toshiba 15nm Nand flash support</li> <li>7. Enhanced reliability on mapping table for L95B Nand flash</li> <li>8. Fixed DCO set always disable TRIM command during TRIM operating</li> <li>9. Fixed TRIM command hang issue when burning testing under Win10 environment</li> <li>10. Enhanced table fail handling when UNC happened for L95B Nand flash</li> <li>11. Added HW VA- dummy write support</li> <li>12. Added HW VA- security erase support ( pattern : 0x21 / 0x00)</li> <li>13. Enhanced DLMC flexibility</li> <li>14. Modified NAND access mechanism for Micron L95B flash characteristic. To enhance data reliability.</li> <li>15. Optimize internal error handling flow for corner case.</li> <li>16. Modified Identify state reply after COMRESET.</li> </ol>			
<b>Recommended Action :</b>			
Apacer keeps on supplying mSATA H1 with SFPS921D firmware but recommends customers to qualify mSATA H1 with the latest version (SFPS928A) due to better compatibility and support.			
<b>Description of Product Part Number Change:</b>			
The new part numbers are listed here			
Operating Temperature (0°C ~ 70°C)			
	<b>Capacity</b>	<b>Existing (SFPS921D)</b>	<b>New (SFPS928A)</b>
	1GB	APM001GM1AN-2T	N/A
	2GB	APM002GM1AN-2T	N/A
	4GB	APM004GM1AN-2T	APM004GM1AN-W1T
	8GB	APM008GM1AN-2T	APM008GM1AN-W1T
	16GB	APM016GM1AN-2T	APM016GM1AN-W1T
	32GB	APM032GM1AN-2T	APM032GM1AN-W1T
	64GB	APM064GM1AN-2T	APM064GM1AN-W1T



Operating Temperature (-40°C ~ 85°C)

Capacity	Existing (SFPS921D)	New (SFPS928A)
1GB	APM001GM1AN-2TW	N/A
2GB	APM002GM1AN-2TW	N/A
4GB	APM004GM1AN-2TW	APM004GM1AN-W1TW
8GB	APM008GM1AN-2TW	APM008GM1AN-W1TW
16GB	APM016GM1AN-2TW	APM016GM1AN-W1TW
32GB	APM032GM1AN-2TW	APM032GM1AN-W1TW
64GB	APM064GM1AN-2TW	APM064GM1AN-W1TW

**Schedule:**

*Samples available date: Now*  
*Non-Cancelable & Non-Returnable Last Buy Order: 12/06/2016*  
*Last Time Buy Shipment Date: 02/06/2017*

If you have any questions and concerns with the content of this notice, please contact with your Apacer representatives.

Thank you for your continued support of Apacer products.

**Vertical Market Application Product Division  
Apacer Technology Inc.**