

Product Change Notification

Firmware Version Update for SV250-M280 BiCS5 Products

Release date: September 30, 2025

Dear Valued Customer,

Thank you for your continued support of Apacer products. This Product Change Notification (PCN) is to inform you of a firmware version update for SV250-M280 BiCS5 products. Details of the change are provided in the table below. Apacer will provide all necessary support to ensure a smooth and seamless transition. If you have any questions or concerns regarding this notification, please contact your Apacer sales representative.

PCN Number	E250930-02	Release Date	September 30, 2025
Affected Product Model	SV250-M280 BiCS5 products		
Action Levels	☐ Critical: Immediate change required ☐ Warning: Change as soon as possible ☒ Recommended: Optional, but suggested ☐ Informational: No immediate action required		
Subject of Change			
Firmware Version Update for SV250-M280 BiCS5 products			
Description of Change			
Apacer has updated the firmware version from SFME6120/SFMH6120 and SFMEA120/SFMHA120 to SFML6130 and SFMLA130, respectively, with the following changes: 1. Fine-tuned table flush threshold to resolve the “No Free Block” issue. 2. Fine-tuned code refresh threshold. 3. Fine-tuned read-retry mechanism. 4. Improved PBT head refresh process during SPOR. 5. Fixed “No Free Block” issue resulting in WP errors. 6. Optimized error handling flow to prevent SATA errors during SPOR. 7. Optimized Smart Read Refresh. 8. Optimized error handling for table parameter mismatches after power resume from an abnormal shutdown. 9. Fine-tuned read refresh threshold. 10. Enforced execution of SRAM detection at power-on. 11. Adjusted update frequency of the thermal sensor. 12. Changed SMART variable type from BYTE to WORD in Linux smartctl. 13. Added support for negative temperature values in SMART. 14. Improve DEVSLP to avoid unexpected behavior on specific platforms.			

Recommended Action

Apacer will continue to supply SV250-M280 BiCS5 products with the existing firmware. However, we recommend qualifying these products with the latest version for improved compatibility and support.

Affected Part Numbers

Without TCG Opal					
Current P/N			New P/N		
Capacity	Standard Temp	Wide Temp	Capacity	Standard Temp	Wide Temp
120GB	A52.255HGA.006EM	A52.255HHA.004EF	120GB	A52.255HGA.006JB	A52.255HHA.004JB
240GB	A52.255JGA.008EM	A52.255JHA.004EF	240GB	A52.255JGA.008JB	A52.255JHA.004JB
480GB	A52.255KGA.006EM	A52.255KHA.004EF	480GB	A52.255KGA.006JB	A52.255KHA.004JB
960GB	A52.255LGB.007EM	A52.255LHB.004EF	960GB	A52.255LGB.007JB	A52.255LHB.004JB
1920GB	A52.255MGB.002EM	A52.255MHB.001EF	1920GB	A52.255MGB.002JB	A52.255MHB.001JB

With TCG Opal					
Current P/N			New P/N		
Capacity	Standard Temp	Wide Temp	Capacity	Standard Temp	Wide Temp
120GB	A52.A15HGA.002EE	A52.A15HHA.002EB	120GB	A52.A15HGA.002JH	A52.A15HHA.002JH
240GB	A52.A15JGA.002EE	A52.A15JHA.002EB	240GB	A52.A15JGA.002JH	A52.A15JHA.002JH
480GB	A52.A15KGA.002EE	A52.A15KHA.002EB	480GB	A52.A15KGA.002JH	A52.A15KHA.002JH
960GB	A52.A15LGB.002EE	A52.A15LHB.002EB	960GB	A52.A15LGB.002JH	A52.A15LHB.002JH

Schedule

Sample available date: Ready

Product Center

Apacer Technology Inc.