Product Change Notice

Update Firmware Version for SV250-M242 BiCS3 Products

Release date: Jul. 10, 2024

Dear Valued Customers,

Thank you for your business and continued support for Apacer products. This PCN is being issued to inform you of a firmware update for SV250-M242 BiCS3 products. Details of the change are provided in the table below. Apacer will provide all necessary support to ensure a seamless transition. If you have any questions or concerns regarding the content of this notification, please get in touch with Apacer sales representatives.

PCN Number	E240710-3	Release Date	Jul. 10, 2024
Affected Product Model	SV250-M242 BiCS3 Without and With TCG OPAL / Thermal Throttling		

Subject of Change

Update firmware version to SFMB6140, SFMB6940 and SFMBA130 for SV250-M242 BiCS3 products

Description of Change

Apacer has updated the firmware version from SFMB6130, SFMB6930, and SFMBA120 to SFMB6140, SFMB6940 and SFMBA130, respectively, with the following changes:

- Without TCG OPAL / With Thermal Throttling (SFMB6140 / SFMB6940)

1. Support for "Online Update".
2. Enhanced read refresh mechanism.
3. Modified reset flow of FPLL (Frequency and Phase Locked Loop) register at high temperature.
4. Improved read error handling process.
5. Adjusted update frequency of thermal sensor.
6. Support for minus temperature in SMART.
7. Sync HDDA & DAS LED dim when drive's in idle mode.
8. Set DAS GPIO as open drain.
9. Optimized mapping table flush timing.
10. Fixed LBA range reporting issue when HPA is enabled.

- With TCG OPAL (SFMBA130)

1. Fixed OPAL mismatch bug after Setting Locking Range then executing RevertTper.
2. Change the method of OPAL PSID Revert from Secure Erase to Crypto Erase.
3. Support for "Online Update".
4. Enhanced read refresh mechanism.
5. Modified reset flow of FPLL (Frequency and Phase Locked Loop) register at high temperature.
6. Improved read error handling process.
7. Adjusted update frequency of thermal sensor.
8. Support for minus temperature in SMART.

Recommended Action

Apacer will continue to supply SV250-M242 BiCS3 with the old firmware, but we recommend qualifying with the latest version for improved compatibility and support.

Affected Part Numbers

- Without TCG OPAL

Capacity	Existing Part Numbers		New Part Numbers	
	Standard Temperature	Wide Temperature	Standard Temperature	Wide Temperature
30GB	A32.255FGB.00146	A32.255FHB.00146	A32.255FGB.001HA	A32.255FHB.001HA
60GB	A32.255GGB.00146	A32.255GHB.00146	A32.255GGB.001HA	A32.255GHB.001HA
120GB	A32.255HGB.00146	A32.255HHB.00146	A32.255HGB.001HA	A32.255HHB.001HA
240GB	A32.255JGB.00146	A32.255JHB.00146	A32.255JGB.001HA	A32.255JHB.001HA
480GB	A32.255KGB.00146	A32.255KHB.00146	A32.255KGB.001HA	A32.255KHB.001HA

- With Thermal Throttling

Capacity	Existing Part Numbers		New Part Numbers	
	Standard Temperature	Wide Temperature	Standard Temperature	Wide Temperature
30GB	A32.255FGB.00150	A32.255FHB.00150	A32.255FGB.001HC	A32.255FHB.001HC
60GB	A32.255GGB.00150	A32.255GHB.00150	A32.255GGB.001HC	A32.255GHB.001HC
120GB	A32.255HGB.00150	A32.255HHB.00150	A32.255HGB.001HC	A32.255HHB.001HC
240GB	A32.255JGB.00150	A32.255JHB.00150	A32.255JGB.001HC	A32.255JHB.001HC
480GB	A32.255KGB.00150	A32.255KHB.00150	A32.255KGB.001HC	A32.255KHB.001HC

- With TCG OPAL

Capacity	Existing Part Numbers		New Part Numbers	
	Standard Temperature	Wide Temperature	Standard Temperature	Wide Temperature
30GB	A32.A15FGB.001D5	A32.A15FHB.001D5	A32.A15FGB.001H6	A32.A15FHB.001H6
60GB	A32.A15GGB.001D5	A32.A15GHB.001D5	A32.A15GGB.001H6	A32.A15GHB.001H6
120GB	A32.A15HGB.001D5	A32.A15HHB.001D5	A32.A15HGB.001H6	A32.A15HHB.001H6
240GB	A32.A15JGB.001D5	A32.A15JHB.001D5	A32.A15JGB.001H6	A32.A15JHB.001H6
480GB	A32.A15KGB.001D5	A32.A15KHB.001D5	A32.A15KGB.001H6	A32.A15KHB.001H6

Schedule

Sample available date: Jul. 10, 2024

Product Center

Apacer Technology Inc.