



# Product Change Notification

## Firmware Version Update for PH250-CFX BiCS5 Products

Release date: Dec. 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 PH250-CFX 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	E20251230-3	Release Date	Dec. 30, 2025
Action Levels	<div><input type="checkbox"/> Critical: Immediate change require</div> <div><input type="checkbox"/> Warning: Change as soon as possible</div> <div><input checked="" type="checkbox"/> Recommended: Optional, but suggested</div> <div><input type="checkbox"/> Informational: No immediate action required</div>		
Affected Product Model	PH250-CFX BiCS5 products		
Subject of Change			
Firmware Version Update for PH250-CFX BiCS5 Products			
Description of Change			
<p>Apacer has updated the firmware version from PNMD501A to PNMD5K3A, with the following changes:</p> <div><div>1.</div><div>Improve 4 levels of thermal throttling mechanisms.</div></div> <div><div>2.</div><div>Disable AIPR for 8 die and below.</div></div> <div><div>3.</div><div>Improve system blocks wear leveling mechanism.</div></div> <div><div>4.</div><div>Improved system block handling flow.</div></div> <div><div>5.</div><div>Modified RTD3R in Identify as 100ms.</div></div> <div><div>6.</div><div>Enhanced PBT building flow.</div></div> <div><div>7.</div><div>Added “Free Block Count” in SMART.</div></div> <div><div>8.</div><div>Enable table swap to enhance the wear-leveling mechanism.</div></div> <div><div>9.</div><div>Updated Packaged NAND components.</div></div>			
Recommended Action			

Apacer will continue supplying PH250-CFX BiCS5 products with the existing firmware. However, we recommend qualifying these products with the latest version for improved compatibility and support.

### Affected Part Numbers

	Existing		New	
	Standard Temperature	Wide Temperature	Standard Temperature	Wide Temperature
160GB	BD2.259KYA.00116	BD2.259KZA.00116	BD2.259KYA.0029N	BD2.259KZA.0029N
320GB	BD2.259LYA.00116	BD2.259LZA.00116	BD2.259LYA.0029N	BD2.259LZA.0029N

### Schedule

Sample available date: Ready

Product Center  
Apacer Technology Inc.