

## Product Change Notice

(PV220-M280 with the latest version firmware\_PNMA003A)

**Released date:** Jun. 30, 2021

Dear Valued Customers,

Apacer hereby announces the Product Change Notice of the latest version firmware for PV220-M280 products, as a result of upgraded firmware from PNMA001A/ PNMA002A to PNMA003A.

The details of changing description are listed at below table:

<b>PCN Number:</b>	<i>E210630-1</i>	<b>Release Date:</b>	<i>Jun. 30, 2021</i>
<b>Affected Product Model</b>	<i>M.2 2280 PV220-M280</i>		
Subject			
<i>Releasing the latest version of firmware PNMA003A</i>			
Description of Change			
<ol style="list-style-type: none"> <li><i>1. Apacer found some platforms or specific scenarios will cause the device may not be able to detect during booting, so we optimize PCIe signal calibration mechanism (PCIe link training) for better compatibility.</i></li> <li><i>2. Adjust power management function (L1 delay timing) to avoid the potential risk of failure.</i></li> <li><i>3. Support Data Defender technology to enhance the stability of power failure.</i></li> <li><i>4. Support NVMe Device Self-test.</i></li> <li><i>5. Add CoreGlacier technology.</i></li> <li><i>6. Support CoreAnalyzer2</i></li> </ol>			
Recommended Action			
<i>Apacer will keep on supplying PV220-M280 with PNMA001A/ PNMA002A firmware but recommends customer to qualify PV220-M280 with the latest version PNMA003A due to better compatibility and support.</i>			

## Description of Product Part Number Change

*The new part numbers are listed here*

	Existing		New	
	Standard Temperature	Wide Temperature	Standard Temperature	Wide Temperature
120GB	B92.225HGC.00102	B92.225HHV.00102	B92.225HGV.00105	B92.225HHV.00105
240GB	B92.225JGD.00102	B92.225JHU.00102	B92.225JGU.00105	B92.225JHU.00105
480GB	B92.225KGD.00102	B92.225KHU.00102	B92.225KGU.00105	B92.225KHU.00105
960GB	B92.225LGD.00102	B92.225LHU.00102	B92.225LGU.00105	B92.225LHU.00105
1920GB	B92.225MGD.00103	B92.225MHU.00103	B92.225MGU.00105	B92.225MHU.00105

## Schedule

*Sample Available Date: 2021/6/30*

Apacer will provide every necessary support to ensure a smooth transition. If you have any questions and concerns with the content of this notice, please contact with Apacer sales representatives.

**Product Center**  
**Apacer Technology Inc.**