

## Controller

**PS3113-S13T**

Capacity <sup>1</sup>	128GB	256GB	512GB	1024GB	2048GB
Interface	SATA III 6Gb/s				
Form Factor	2.5" / M.2 2280				
NAND Flash	3D TLC				
<b>Performance (Up to)<sup>2,3</sup></b>					
Sequential Read	550 MB/s	550 MB/s	550 MB/s	550 MB/s	550 MB/s
Sequential Write	470 MB/s	500 MB/s	510 MB/s	510 MB/s	510 MB/s
4K Random Read	75 K IOPS	94 K IOPS	95 K IOPS	94 K IOPS	96 K IOPS
4K Random Write	82 K IOPS	85 K IOPS	86 K IOPS	86 K IOPS	87 K IOPS
<b>Power</b>					
Supply Voltage	2.5" 5V ± 5% / M.2 3.3V ± 5%				
Active (Average) <sup>4</sup>	1250 mW	1400 mW	1550 mW	1600 mW	1750 mW
Idle	135 mW	120 mW	140 mW	145 mW	140 mW
DEVSLP	4.9 mW	4.9 mW	4.9 mW	4.9 mW	4.9 mW
<b>Temperature</b>					
Operating	0°C - 70°C				
Non-Operating	-40°C - 85°C				
Advanced Features	<ul style="list-style-type: none"> <li>• DRAM-less</li> <li>• Pyrite/OPAL Support</li> <li>• End-to-End Data Protection</li> <li>• Thermal Monitoring</li> </ul>				

<sup>1</sup> 1GB = 1,000,000,000 bytes

<sup>2</sup> 1MB/s = 1,000,000 bytes / second

<sup>3</sup> Performance is based on Crystal Disk Mark 6.0.0, test size 1GiB, and test drive set as secondary

<sup>4</sup> Measured with MobileMark 2014