

Controller

PS5013-E13T

Capacity ¹	128GB	256GB	512GB	1024GB	2048GB
Interface	PCIe Gen3x4 NVMe 1.3				
Form Factor	M.2 2280 / M.2 2242 / CFX / BGA SSD				
NAND Flash	3D TLC / 3D QLC				
Performance (Up to)^{2, 3, 5}					
Sequential Read	2200 MB/s	2300 MB/s	2500 MB/s	2500 MB/s	TBD
Sequential Write	600 MB/s	1200 MB/s	2100 MB/s	2100 MB/s	TBD
4K Random Read	115 K	220 K	295 K	295 K	TBD
4K Random Write	130 K	250 K	430 K	430 K	TBD
Power					
Supply Voltage	M.2 3.3V ± 5				
Active (Average) ⁴	< 300 mW	< 300 mW	< 300 mW	< 300 mW	TBD
Idle					
Low Power PS4 (L1.2)	2 mW	2 mW	2 mW	2 mW	TBD
Temperature					
Operating	0°C - 70°C				
Non-Operating	-40°C - 85°C				
Advanced Features	<ul style="list-style-type: none"> • DRAM-less • Pyrite/OPAL Support • End-to-End Data Protection • Thermal Monitoring 				

¹ 1GB = 1,000,000,000 bytes

² 1MB/s = 1,000,000 bytes / second

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

⁴ Measured with MobileMark 2014

⁵ Host memory buffer enabled