

Samsung PM9A3 960 GB 2.5" PCI Express 4.0 NVMe V-NAND TLC

Brand : Samsung  
Product name : PM9A3  
Product code: MZ-QL296000



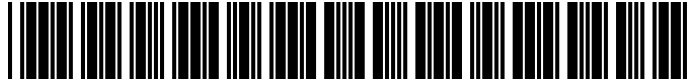
960 GB, 2.5", NVMe, V-NAND TLC, PCIe 4.0 x4, TRIM, S.M.A.R.T., AES 256-bit  
Samsung PM9A3. SSD capacity: 960 GB, SSD form factor: 2.5", Read speed: 6800 MB/s, Write speed: 2700 MB/s, Component for: PC



Features		Features	
NVMe version	1.4	PCI Express interface data lanes	x4
Security algorithms	256-bit AES	S.M.A.R.T. support	✓
SSD capacity *	960 GB	TRIM support	✓
SSD form factor *	2.5"	End-to-End Data Protection	✓
Interface *	PCI Express 4.0	Mean time between failures (MTBF)	2000000 h
NVMe *	✓	Power	
Memory type *	V-NAND TLC	Operating voltage	12 V
Component for *	PC	Power consumption (read)	10 W
Hardware encryption *	✓	Power consumption (write)	12.5 W
Read speed	6800 MB/s	Power consumption (max)	3.5 W
Write speed	2700 MB/s	Weight & dimensions	
Random read (4KB)	850000 IOPS	Width	100.2 mm
Random write (4KB)	130000 IOPS	Depth	69.8 mm
Sequential read speed (AS SSD)	6800 MB/s	Height	6.8 mm
Sequential write speed (AS SSD)	2700 MB/s	Weight	90 g
		Operational conditions	
		Operating temperature (T-T)	0 - 70 °C
		Operating shock	1500 G



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