

Samsung PM9A3 2.5" 7.68 TB PCI Express 4.0 NVMe V-NAND TLC

Brand : Samsung

Product code: MZ-QL27T600

Product name : PM9A3

7.68 TB, 2.5", NVMe, V-NAND TLC, PCIe 4.0 x4, TRIM, S.M.A.R.T., AES 256-bit
 Samsung PM9A3. SSD capacity: 7.68 TB, SSD form factor: 2.5", Read speed: 6700 MB/s, Write speed: 4000 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 form factor *	2.5"	TRIM support	✓
SSD capacity *	7.68 TB	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)	11 W
Hardware encryption *	✓	Power consumption (write)	13.5 W
Read speed	6700 MB/s	Power consumption (max)	3.5 W
Write speed	4000 MB/s	Operational conditions	
Random read (4KB)	1100000 IOPS	Operating temperature (T-T)	0 - 70 °C
Random write (4KB)	200000 IOPS	Operating shock	1500 G
Sequential read speed (AS SSD)	6700 MB/s	Weight & dimensions	
Sequential write speed (AS SSD)	4000 MB/s	Width	110.2 mm
		Depth	22 mm
		Height	3.8 mm
		Weight	90 g



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