

Samsung PM9A3 2.5" 3.84 TB PCI Express 4.0 NVMe V-NAND TLC

Brand : Samsung

Product code: MZ-QL23T800

Product name : PM9A3

PM9A3 NVMe® U.2 3.84TB

Samsung PM9A3. SSD capacity: 3.84 TB, SSD form factor: 2.5", Read speed: 6900 MB/s, Write speed: 4100 MB/s, Component for: PC



Features		Features	
NVMe version	1.4	S.M.A.R.T. support	✓
Security algorithms	256-bit AES	TRIM support	✓
SSD form factor *	2.5"	End-to-End Data Protection	✓
SSD capacity *	3.84 TB	Mean time between failures (MTBF)	2000000 h
Interface *	PCI Express 4.0	Power	
NVMe *	✓	Operating voltage	12 V
Memory type *	V-NAND TLC	Power consumption (read)	11 W
Component for *	PC	Power consumption (write)	13.5 W
Hardware encryption *	✓	Power consumption (max)	3.5 W
Read speed	6900 MB/s	Operational conditions	
Write speed	4100 MB/s	Operating temperature (T-T)	0 - 70 °C
Random read (4KB)	1000000 IOPS	Weight & dimensions	
Random write (4KB)	180000 IOPS	Width	110.2 mm
Sequential read speed (AS SSD)	6900 MB/s	Depth	3.8 mm
Sequential write speed (AS SSD)	4100 MB/s	Height	22 mm
Controller type	Samsung Elpis	Weight	90 g
		Logistics data	
		Harmonized System (HS) code	84717070



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