

Samsung PM9A3 7.68 TB 2.5" 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

NVMe version	1.4
Security algorithms	256-bit AES
SSD capacity *	7.68 TB
SSD form factor *	2.5"
Interface *	PCI Express 4.0
NVMe *	✓
Memory type *	V-NAND TLC
Component for *	PC
Hardware encryption *	✓
Read speed	6700 MB/s
Write speed	4000 MB/s
Random read (4KB)	1100000 IOPS
Random write (4KB)	200000 IOPS
Sequential read speed (AS SSD)	6700 MB/s
Sequential write speed (AS SSD)	4000 MB/s

Features

PCI Express interface data lanes	x4
S.M.A.R.T. support	✓
TRIM support	✓
End-to-End Data Protection	✓
Mean time between failures (MTBF)	2000000 h

Power

Operating voltage	12 V
Power consumption (read)	11 W
Power consumption (write)	13.5 W
Power consumption (max)	3.5 W

Weight & dimensions

Width	110.2 mm
Depth	22 mm
Height	3.8 mm
Weight	90 g

Operational conditions

Operating temperature (T-T)	0 - 70 °C
Operating shock	1500 G



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