

Samsung MZ-77Q1T0 2.5" 1 TB Serial ATA III QLC

Brand : Samsung

Product code: MZ-77Q1T0BW

Product name : MZ-77Q1T0

- 2.5 inch
 - SATA 6 Gb/s Interface, compatible with SATA 3 Gb/s & SATA 1.5 Gb/s interface
 - Samsung V-NAND 4bit MLC
 - Up to 560 MB/s Sequential Read Performance may vary based on system
 - Up to 530 MB/s Sequential Write Performance may vary based on system
- 1 TB SATA III, 2.5", QLC, 560/530 MB/s
 Samsung MZ-77Q1T0. SSD capacity: 1 TB, SSD form factor: 2.5", Read speed: 560 MB/s, Write speed: 530 MB/s, Data transfer rate: 6 Gbit/s, Component for: PC/Laptop



Features		Features	
Security algorithms	256-bit AES	Mean time between failures (MTBF)	1500000 h
SSD form factor *	2.5"	Power	
SSD capacity *	1 TB	Operating voltage	5 V
Interface *	Serial ATA III	Power consumption (max)	4 W
Memory type *	QLC	Power consumption (average)	2.2 W
Component for *	PC/Laptop	Operational conditions	
Hardware encryption *	✓	Operating temperature (T-T)	0 - 70 °C
Data transfer rate	6 Gbit/s	Operating shock	1500 G
Read speed	560 MB/s	Weight & dimensions	
Write speed	530 MB/s	Width	69.8 mm
Random read (4KB)	98000 IOPS	Depth	100 mm
Random write (4KB)	88000 IOPS	Height	6.8 mm
Controller type	Samsung MKX	Weight	46 g
S.M.A.R.T. support	✓	Logistics data	
TRIM support	✓	Harmonized System (HS) code	84717070



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