

## Samsung 850 PRO 2.5" 1 TB Serial ATA III 3D MLC

**Brand :** Samsung

**Product code:** MZ-7KE1T0Z

**Product name :** 850 PRO

1 TB, 2.5" SATA III, 550/520 Mb/s R/W

Samsung 850 PRO. SSD capacity: 1 TB, SSD form factor: 2.5", Read speed: 550 MB/s, Write speed: 520 MB/s, Data transfer rate: 6 Gbit/s



Features		Operational conditions	
SSD form factor *	2.5"	Operating temperature (T-T)	0 - 70 °C
SSD capacity *	1 TB	Storage temperature (T-T)	-40 - 85 °C
Interface *	Serial ATA III	Operating relative humidity (H-H)	5 - 95%
Memory type *	3D MLC	Storage relative humidity (H-H)	5 - 95%
Data transfer rate	6 Gbit/s	Operating shock	1500 G
Read speed	550 MB/s	Non-operating shock	1500 G
Write speed	520 MB/s	Weight & dimensions	
Random read (4KB)	100000 IOPS	Width	100 mm
Random write (4KB)	90000 IOPS	Depth	69.8 mm
S.M.A.R.T. support	✓	Height	6.8 mm
TRIM support	✓	Weight	66 g
Mean time between failures (MTBF)	1500000 h	Packaging data	
Power		Quick start guide	✓
Operating voltage	5 V	Manual	✓
Power consumption (read)	3 W	Package type	Box
Power consumption (write)	3 W	Other features	
Power consumption (idle)	0.05 W	Product colour	Black



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