

Samsung 850 PRO 2.5" 256 GB Serial ATA III 3D MLC

Brand : Samsung

Product code: MZ-7KE256BW

Product name : 850 PRO

850 PRO, 256GB, SATAIII, 2.5"

Samsung 850 PRO. SSD capacity: 256 GB, SSD form factor: 2.5", Read speed: 550 MB/s, Write speed: 520 MB/s, Data transfer rate: 6 Gbit/s



Features		Power	
Security algorithms	256-bit AES	Power consumption (idle)	0.4 W
SSD form factor *	2.5"	Operational conditions	
SSD capacity *	256 GB	Operating temperature (T-T)	0 - 70 °C
Interface *	Serial ATA III	Storage temperature (T-T)	-40 - 85 °C
Memory type *	3D MLC	Operating relative humidity (H-H)	5 - 95%
Data transfer rate	6 Gbit/s	Storage relative humidity (H-H)	5 - 95%
Read speed	550 MB/s	Non-operating vibration	20 G
Write speed	520 MB/s	Operating shock	1500 G
Random read (4KB)	10000 IOPS	Non-operating shock	1500 G
Random write (4KB)	36000 IOPS	Weight & dimensions	
Storage drive buffer size	512 MB	Width	100 mm
S.M.A.R.T. support	✓	Depth	6.8 mm
TRIM support	✓	Height	69.8 mm
Mean time between failures (MTBF)	2000000 h	Weight	66 g
TBW rating	150	Other features	
Power		Product colour	Black
Operating voltage	5 V	Internal	✓
Power consumption (sleep)	0.002 W		



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