



## Samsung 850 PRO 2.5" 128 GB Serial ATA III 3D MLC

**Brand :** Samsung

**Product code:** MZ-7KE128BW

**Product name :** 850 PRO

128GB, 2.5" SATA III Solid State Drive, Up to 550MB/s/470 MB/s  
Samsung 850 PRO. SSD capacity: 128 GB, SSD form factor: 2.5", Read speed: 550 MB/s, Write speed: 470 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 *	128 GB	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	Non-operating vibration	20 G
Read speed	550 MB/s	Operating shock	1500 G
Write speed	470 MB/s	Non-operating shock	1500 G
Random read (4KB)	100000 IOPS	<b>Weight &amp; dimensions</b>	
Random write (4KB)	90000 IOPS	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	<b>Other features</b>	
TBW rating	150	Product colour	Black
<b>Power</b>		Internal	✓
Power consumption (read)	3.3 W	Operating temperature (T-T)	32 - 158 °F
Power consumption (idle)	0.4 W		



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