

## Samsung 850 PRO 2.5" 512 GB Serial ATA III 3D MLC

**Brand :** Samsung

**Product code:** MZ-7KE512Z

**Product name :** 850 PRO

512GB, 2.5" SATA III Solid State Drive, Up to 550MB/s/520 MB/s  
 Samsung 850 PRO. SSD capacity: 512 GB, SSD form factor: 2.5", Read speed: 550 MB/s, Write speed: 520 MB/s, Data transfer rate: 6 Gbit/s, Component for: Laptop



Features		Power	
SSD form factor *	2.5"	Power consumption (read)	3.5 W
SSD capacity *	512 GB	<b>Operational conditions</b>	
Interface *	Serial ATA III	Operating temperature (T-T)	0 - 70 °C
Memory type *	3D MLC	Storage temperature (T-T)	-40 - 85 °C
Component for *	Laptop	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	<b>Weight &amp; dimensions</b>	
S.M.A.R.T. support	✓	Width	100 mm
TRIM support	✓	Depth	6.8 mm
Mean time between failures (MTBF)	2000000 h	Height	69.8 mm
Windows operating systems supported	Windows 7 Enterprise, Windows 7 Enterprise x64, Windows 7 Home Basic, Windows 7 Home Basic x64, Windows 7 Home Premium, Windows 7 Home Premium x64, Windows 7 Professional, Windows 7 Professional x64, Windows 7 Starter, Windows 7 Starter x64, Windows 7 Ultimate, Windows 7 Ultimate x64, Windows 8, Windows 8 Enterprise, Windows 8 Enterprise x64, Windows 8 Pro, Windows 8 Pro x64, Windows 8 x64, Windows Vista Business, Windows Vista Business x64, Windows Vista Enterprise, Windows Vista Enterprise x64, Windows Vista Home Basic, Windows Vista Home Basic x64, Windows Vista Home Premium, Windows Vista Home Premium x64, Windows Vista Ultimate, Windows Vista Ultimate x64, Windows XP Home, Windows XP Home x64, Windows XP Professional, Windows XP Professional x64	<b>Other features</b>	
TBW rating	150	Product colour	Black



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