

## Samsung SSD 850 PRO

A New Calibre of SSD Performance & Endurance



### Shift into high gear with the enhanced RAPID mode

You can kick up the read/write performance when you need it with the RAPID mode. Just like shifting gears in a car, Magician™ software gives you the option to support performance by processing data on a system level using free PC memory (DRAM) as a cache, providing 1.8 times faster performance in the RAPID mode\*.

\*PCMark Vantage (Windows Vista™ PC benchmark) score based on Samsung SSD 850 PRO - 512 GB: 53K > vs. 97K (in RAPID mode)



### 3D V-NAND and how does it differ from existing Samsung technology?

Samsung's 3D V-NAND flash memory is fabricated using an innovative 3D V-NAND architecture, which stacks 32 cell layers on top of one another rather than trying to decrease the cells' length and width to fit a small form factor. The result is high density and high performance using a small footprint and is a breakthrough in overcoming the density limits of planar (2D) NAND architecture used in Samsung's conventional flash memory. With the 3D V-NAND technology, the NAND flash memory delivers excellent read and write performance in both sequential and

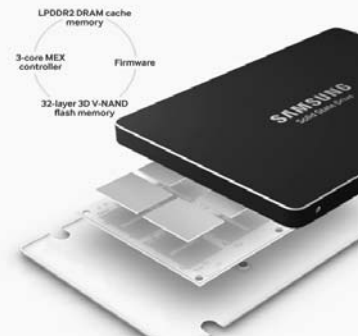
### Work for long periods of time with a high-efficiency SSD

The efficient, power management components in the Samsung SSD 850 PRO enable you to work for a long period of time. The Samsung SSD 850 PRO maintains powerful performance with low power consumption when in full use. The Samsung SSD 850 PRO supports the sleep mode on compatible Ultrabook™, consuming only 2 m watts of power. Plus, its LPDDR2 cache memory provides high performance while consuming 30 percent less power when active and 93 percent less power when idle than Samsung DDR2 or DDR3 memory.



### Designed to ensure each component works together.

Samsung is one of the manufacturers that designs all SSD components in-house. Because Samsung has intimate knowledge of component and parts, Samsung can fine-tune them at each stage of development to help ensure they work seamlessly beautifully. The result – enhanced performance, low power consumption with an up to 1 GB LPDDR2 DRAM cache memory and improved energy-efficiency with 3 core MEX controller.



## ORDERING INFORMATION

### Samsung 850 PRO SSD - 2.5"

Part #	Description	RRP Inc
MZ-7KE128BW	Samsung 850 PRO 128GB Solid State Drive, SATA Interface, 2.5" Form Factor	\$189
MZ-7KE256BW	Samsung 850 PRO 256GB Solid State Drive, SATA Interface, 2.5" Form Factor	\$299
MZ-7KE512BW	Samsung 850 PRO 512GB Solid State Drive, SATA Interface, 2.5" Form Factor	\$599
MZ-7KE1T0BW	Samsung 850 PRO 1TB Solid State Drive, SATA Interface, 2.5" Form Factor	\$999
MZ-7KE2T0BW	Samsung 850 PRO 2TB Solid State Drive, SATA Interface, 2.5" Form Factor	\$1,799

Prices correct at time of publication. Publication date: 15 August 2016. Please contact us for updated pricing and availability