产品简介

非易失性存储解决方案

Intel® 固态硬盘 530 系列

摆脱陈旧，突破制约

以性能卓越、小型化、低功耗的固态硬盘开启面向消费端的崭新运算时代。

英特尔正不断升级存储技术

随着530产品系列的出现，Intel®固态硬盘家族正在持续发展壮大。这款产品面向广泛的消费级终端，包括超极本™、传统台式机、笔记本电脑，以及最新的平板电脑和小型台式机。对那些适用M.2和2.5英寸(7mm)硬盘技术的小型个人电脑而言，Intel®固态硬盘530系列质量上乘、性能可靠、节能低耗。

更节能的新一代产品

配备一款 Intel®固态硬盘是您运算设备升级方案的重要组成部分。Intel®530 系列固态硬盘可显著提升计算机性能，其随机读写速度快至 41K/49K 每秒输入/输出运算(IOPs)，而连续读写性能则分别高达每秒 540M/490M。借助 Intel® 530 系列固态硬盘，可以使电脑游刃有余地运行性能要求最为严苛的客户端应用程序，并轻松处理繁杂的多任务进程。除了强劲的性能提升，Intel® 530 系列固态硬盘还采用了新型的低功耗模式。其闲时功耗仅有几十毫瓦，远低于传统硬盘的几瓦，降幅高达 90% 以上。Intel® 530 系列固态硬盘同时支持更新的能源模式降低能源耗损，这使其实现了从毫瓦到微瓦的能耗革命。

具有更精巧外形和更丰富容量规格的下一代产品

Intel® 固态硬盘 530 系列产品通过采用最新的 M.2 工艺，为开发“轻薄”计算设备铺平了道路。相对于传统 2.5 英寸制程硬盘而言，M.2 工艺可显著压缩存储区域。同时，Intel® 530 系列固态硬盘仍提供 mSATA 接口和传统 2.5 英寸制程接口，与 M.2 并行不悖，这使该产品能满足各式各样的 PC 应用。530 系列产品线富含更多容量规格，从 80GB 到 480GB 均有覆盖。

世界顶级的可靠性与最新的闪存技术

Intel® 530系列固态硬盘没有任何可移动部件，因此能降低在操作过程中由于冲击或振动而造成的数据丢失风险。Intel® 530系列固态硬盘主要面向消费级超极本™、笔记本电脑、一体机(AIO)、NUC和嵌入式设计。应用最新的Intel 20nm闪存技术，您的数据将受益于先进的安全防护、顶级的性能及Intel的高质量和可靠性保障；所有这些您都可以安心享用，因为这款产品背后有Intel卓越的客户支持作为后盾。

Intel® 固态硬盘 530 系列

技术参数 [1]						
产品名称	Intel® 530 系列固态硬盘					
容量(GB)	**M.2-** 80, 120, 180, 240, 360 ; **2.5"**- 80, 120, 180, 240, 360, 480					
闪存	20nm Intel® NAND Flash Memory Multi-Level Cell (MLC)					
频宽 [2, 3]	**制程** 容量规格		连续读取 (最高)	连续写入 (最高)	随机读取 (最高)	随机写入 (最高)
	M.2 80GB, 120GB, 180GB, 240GB 360GB		540 MB/s	490 MB/s	41K IOPs	49K IOPs
	2.5" 80GB, 120GB, 180GB, 240GB, 360GB, 480GB		540 MB/s	490 MB/s	41K IOPs	49K IOPs
接口	SATA 6Gb/s, compatible with SATA 3Gb/s					
制程/高度和重量	**制程**			**高度/重量**		
	M.2, 2.5"			3.7mm/最轻可到 10 克 (mSATA)		
预期产品寿命	120 万 小时的平均故障间隔 (MTBF)					
功耗	**M.2** : 工作: 140 mW Typical[4]		闲置: 55 mW Typical[5]		休眠: 200 µW	
	2.5": 工作: 140 mW Typical[4]		闲置: 55 mW Typical[5]		休眠 : 5 mW	
运行温度	0° C to 70° C					
环保标准	符合欧盟 (EU) 环保标准限制					
软件工具包	Intel® 固态硬盘工具箱（含优化工具）www.intel.com/go/ssdtoolbox Intel® 数据转移软件 www.intel.com/go/ssdinstallation					

[1] 基于 Intel® 固态硬盘 530 系列产品说明.

[2] 在 32 序列深度下，借助 Iometer*测得不同容量规格产品的性能变化

[3] 测评是用整块固态硬盘在 8GB LBA 范围内进行的。在 32 序列深度下，借助 Iometer*测得该性能数据。

[4] 开启 SATA 连接电源管理程序（LPM）后，运行 MobileMark* 2007，测得工作功耗

[5] 闲置功率为固态硬盘在仅开启 SATA 连接电源管理程序（LPM）时的功率

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