

Samsung Portable SSD T7 Touch

2020 Data Sheet

Revision 1.0



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Introduction

Samsung Portable SSD is a next-generation storage solution. It can transfer files faster and store data safely with solid state drive technology. Its compact and sleek design delivers a sense of durability and trust for data storage needs. Samsung Portable SSD T7 Touch is a superfast external storage device that has convenient data protection with fingerprint recognition and a refined design with motion LED.

Advanced Performance

Samsung Portable SSD T7 Touch uses NVMe to take full advantage of the USB 3.2 Gen2 interface, offering a remarkably fast bandwidth of up to 10Gbps. T7 Touch delivers read/write speeds of up to 1,050/1,000MB/s respectively, which is more than 1.9 times faster than current SATA-based portable SSDs and more than 9.5 times faster than external HDDs.¹

Convenient Security

The T7 Touch offers powerful data protection through Samsung Portable SSD software. In addition to fingerprint recognition, users can conveniently manage access to their T7 Touch using password protection based on AES 256-bit hardware encryption.

Durable Design

The T7 Touch is the next level of fast, safe and stylish external storage. The sleek and slim design of its aluminum metal case along with its compact size offer enhanced durability and mobility. It also withstands drops of up to two meters (6.6 feet)². The T7 Touch integrates the latest thermal management technologies. The Dynamic Thermal Guard technology minimizes overall heat generation, automatically maintaining optimal operating temperatures. An ePCM (Encapsulated Phase Change Materials) – a substance that acts as latent heat storage to absorb heat and release it gradually- protects against overheating. In addition, the T7 Touch is protected by a 3-year limited warranty.

¹ Based on internal test results (Read performance)

² The internal free fall shock test was conducted under controlled conditions.

※ The NVMe Express® design mark is a registered trademark of NVMe Express, Inc.

Technical Specifications

Samsung Portable SSD T7 Touch			
Interface	USB 3.2 Gen2 (10Gbps)		
Compatibility	Windows 7 or higher, Mac OS X 10.10 or higher Android Lollipop or higher		
Hardware Information	Capacities	500GB/1TB/2TB ³	
	Dimensions	85 x 57 x 8.0mm (3.3 x 2.2 x 0.3 inches)	
	Weight	58 grams (2.0 oz) ⁴	
Performance	Sequential Read	Up to 1,050 MB/sec ⁵	
	Sequential Write	Up to 1,000 MB/sec ⁵⁾	
Security	Encryption	AES 256-bit hardware encryption	
	Security	Password protection (Optional) Fingerprint Recognition (Optional)	
Reliability	Temperature	Operating	0°C to 60°C
		Non-Operating	-40°C to 85°C
	Humidity	Non-Operating	65°C, 95%
	Shock	Non-Operating	1,500G, duration: 0.5ms, 3 axis
	Vibration	Non-Operating	10~2,000Hz, 20G
Certifications		CE, BSMI, KC, VCCI, C-tick, FCC, IC, UL, TUV, CB	
RoHS Compliance		RoHS 2	
Warranty		Three (3) Year Limited Warranty	

³ 1 GB=1,000,000,000 bytes, 1 TB=1,000,000,000,000 bytes. Lower capacity may be demonstrated by your computer due to use of a different measurement standard.

⁴ Exact weight of product may vary by capacity.

⁵ Max data transfer speed is measured based on Samsung's internal testing standards with the enclosed cable. Performance may vary depending on host configuration, cable and user system environment.

PRODUCT LINE-UP

Density	Model Name	Model Code	Box Contents
2TB	MU-PC2T0	MU-PC2T0S/WW	<ul style="list-style-type: none"> • Samsung Portable SSD T7 Touch • USB Type-C to C, Type-C to A cables • Quick Start Guide & Warranty Statement
		MU-PC2T0K/WW	
		MU-PC2T0S/CN	
		MU-PC2T0K/CN	
1TB	MU-PC1T0	MU-PC1T0S/WW	
		MU-PC1T0K/WW	
		MU-P1T0S/CN	
		MU-P1T0K/CN	
500GB	MU-PC600	MU-PC500S/WW	
		MU-PC500K/WW	
		MU-P500S/CN	
		MU-P500K/CN	