

Samsung Portable SSD

T7

2024 Data Sheet

Revision 2.0



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Technical Specifications

Samsung Portable SSD T7				
Interface	USB 3.2 Gen 2 (10 Gbps)			
Hardware Information	Capacity ¹	1 TB	2 TB	4 TB
	Dimensions	85 x 57 x 8 mm		
	Weight	72 grams ²		
Performance	Sequential Read ³	Up to 1,050 MB/sec		
	Sequential Write ³	Up to 1,000 MB/sec		
Durability	Drop Resistant	Up to 2 m ⁴		
Security	Encryption	AES 256-bit hardware encryption		
	Software	Samsung Magician Software ⁵		
Reliability	Temperature	Operating	0 °C to 60 °C ⁶	
		Non-Operating	-40 °C to 85 °C	
	Humidity		5 % to 95 % non-condensing	
	Shock	Non-Operating	1,500 G, duration: 0.5 ms, 3 axis	
	Vibration	Non-Operating	20~2,000 Hz, 20 G	
Certifications		CE, BSMI, KC, VCCI, RCM, FCC, IC, UL, TUV, CB, EAC, UKCA, BIS		
RoHS Compliance		RoHS 2		
Warranty ⁷	Period	Three (3) Year Limited Warranty		

1. 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.

2. Exact weight of product may vary by capacity.

3. 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.

4. The drop test was conducted under controlled conditions. Drop resistance may vary depending on the actual environmental conditions. Damage caused by drop is not covered under warranty.

* Test condition: Device was dropped free-fall to a metal plate from 2-meter height.

** No warranty is provided for any physical damage.

5. Samsung Magician Software compatible with Windows® 10 and higher, Mac OS® High Sierra (10.13.6) and higher, Android™ 5.1 (Lollipop) and higher

6. Tc is measured at the hottest point on the case. Sufficient airflow is recommended to be operated properly on heavier workload within device operating temperature.

7. Please refer to the detailed warranty statement here at <https://semiconductor.samsung.com/consumer-storage/support/documents/>.

PRODUCT LINE-UP

Density	Model Name	Model Code	Box Contents
4 TB	MU-PC4T0	MU-PC4T0T/AM	<ul style="list-style-type: none"> • Samsung Portable SSD T7 • USB Type-C to A cable • USB Type-C to C cable • Quick User Manual & Warranty Statement
		MU-PC4T0T/WW	
2 TB	MU-PC2T0	MU-PC2T0H/AM	
		MU-PC2T0H/WW	
		MU-PC2T0T/AM	
		MU-PC2T0T/WW	
1 TB	MU-PC1T0	MU-PC1T0H/AM	
		MU-PC1T0H/WW	
		MU-PC1T0T/AM	
		MU-PC1T0T/WW	