

Samsung Portable SSD T5 EVO

2023 Data Sheet

Revision 1.0



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Technical Specifications

Samsung Portable SSD T5 EVO			
Interface	USB 3.2 Gen 1 (5 Gbps)		
Hardware Information	Capacities ¹		2 TB / 4 TB / 8 TB
	Dimensions		40 x 95 x 17 mm
	Weight		102 grams ²
Performance	Sequential Read ³		Up to 460 MB/sec
	Sequential Write ³		Up to 460 MB/sec
Durability	Drop Resistant		Up to 2 m ⁴
Security	Encryption		AES 256-bit hardware encryption
	Software		Samsung Portable SSD 1.0 ⁵ Samsung Magician Software
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			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 to the product including bending or deformation of the ring.

5. T5 EVO Software's minimum System Requirements: Windows 7 or higher, Mac OS X 10.10 or higher, Android Lollipop or 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/>.

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PRODUCT LINE-UP

Density	Model Name	Model Code	Box Contents
8 TB	MU-PH8T0	MU-PH8T0S/WW	• Samsung Portable SSD T5 EVO • USB Type-C to C cable • Quick User Manual & Warranty Statement
		MU-PH8T0S/AM	
		MU-PH8T0S/EU	
4 TB	MU-PH4T0	MU-PH4T0S/WW	
		MU-PH4T0S/AM	
		MU-PH4T0S/EU	
2 TB	MU-PH2T0	MU-PH2T0S/WW	
		MU-PH2T0S/AM	
		MU-PH2T0S/EU	