Samsung Portable SSD T7 Shield

2022 Data Sheet

Revision 2.0



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Technical Specifications

Samsung Portable SSD T7 Shield			
Interface	USB 3.2 Gen2 (10Gbps)		
Hardware Information	Capacities		1TB/2TB/4TB[1]
	Dimensions		59 x 88 x 13mm
	Weight		98 grams[2]
Performance	Sequential Read		Up to 1,050 MB/sec [3]
	Sequential Write		Up to 1,000 MB/sec [3]
Durability	Water/Dust Resistant		IP 65[4]
	Drop Resistant		Up to 3m[5]
Security	Encryption		AES 256-bit hardware encryption
	Software		Samsung Portable SSD 1.0[6] Samsung Magician Software
Reliability	Temperature	Operating	0°C to 60°C[7]
		Non-Operating	-40°C to 85°C
	Humidity		5% to 95% non-condensing
	Shock	Non-Operating	1,500G, duration: 0.5ms, 3 axis
	Vibration	Non-Operating	20~2,000Hz, 20G
Certifications			CE, BSMI, KC, VCCI, C-tick, FCC, IC, UL, TUV, CB, EAC, UKCA, BIS
RoHS Compliance			RoHS 2
Warranty			Three (3) Year Limited Warranty

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. This device has a IP65 rating based on internal testing conducted under controlled conditions. Water and dust resistance capabilities may vary depending on the actual environmental conditions. Damage caused by liquid and dust are not covered under warranty.
***IPX5 Test condition: Device was exposed to fresh water projected from a nozzle (Φ6.3mm) 3 meters away at 12.5 l/min for 3 minutes.
****IP6X Test condition: Device was exposed to 2kg/m³ of active dust with a pressure under 2kPa for 8 hours in a vacuum chamber.
5. 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 3-meter height.
6. T7 Series Software's minimum System Requirements : Windows 7 or higher, Mac OS X 10.10 or higher, Android Lollipop or higher
7. 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."

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PRODUCT LINE-UP

Density	Model Name	Model Code	Box Contents
4TB	MU-PE4T0	MU-PE4T0S/WW	• Samsung Portable SSD T7 Shield • USB Type-C to C, Type-C to A cables • Quick User Manual & Warranty Statement
		MU-PE4T0S/AM	
		MU-PE4T0S/EU	
2TB	MU-PE2T0	MU-PE2T0S/WW	
		MU-PE2T0K/WW	
		MU-PE2T0R/WW	
		MU-PE2T0S/AM	
		MU-PE2T0K/AM	
		MU-PE2T0R/AM	
		MU-PE2T0S/EU	
		MU-PE2T0K/EU	
		MU-PE2T0R/EU	
1TB	MU-PE1T0	MU-PE1T0S/WW	
		MU-PE1T0K/WW	
		MU-PE1T0R/WW	
		MU-PE1T0S/AM	
		MU-PE1T0K/AM	
		MU-PE1T0R/AM	
		MU-PE1T0S/EU	
		MU-PE1T0K/EU	
		MU-PE1T0R/EU	