End of Sales

Client SSD

SG5 Series (Non-SED model)

		2.5-type (7.0 mmH)	M.2 2280-D2 (Double-sided)	M.2 2280-S2 (Single-sided)
Basic Specifications				
Model Number	1024 GB	THNSNK1T02CS8	THNSNK1T02DN8	-
	512 GB	THNSNK512GCS8	-	THNSNK512GVN8
	256 GB	THNSNK256GCS8	-	THNSNK256GVN8
	128 GB	THNSNK128GCS8	-	THNSNK128GVN8
Connector Type		Standard SATA	M.2 B-M	
Interface		ACS-3, SATA revision 3.2		
Interface Speed		6.0 Gbit/s , 3.0 Gbit/s , 1.5 Gbit/s		
Memory Type		TLC		
Sequential Read		Up to 545 MB/s {520 MiB/s}		
Sequential Write		Up to 388 MB/s {370 MiB/s}		
Reliability				
MTTF		1,500,000 hours		
Power Requirements				
Supply Voltage		5.0 V ±5 %	3.3 V ±5 %	
Power Consumption (Active)		5.6 W typ.	5.5 W typ.	4.0 W typ.
Power Consumption (Idle)		70 mW typ.	65 mW typ.	
Dimensions				
Height		7.0 mm	3.58 mm	2.23 mm
Width		69.85 mm	22.0 mm	
Length		100.0 mm	80.0 mm	
Weight		48 to 51 g typ.	8.7 g typ.	7.0 g typ.
Environmental				
Temperature (Operating)		0 to 70 °C (Case Temperature)	0 to 80 °C (Components Temperature)	
Temperature (Non-operating)		-40 to 85 °C		
Vibration (Operating / Non-operating)		196 m/s^2 { 20 G } (Peak, 10 to 2,000 Hz)		
Shock (Operating / Non-operating)		14.7 km/s^2 { 1500 G } (0.5 ms)		
More Features		• Toshiba's proprietary error-correction technology, QSBC support. • Read only mode supported for emergency.		

▶ Definition of capacity: Toshiba defines a megabyte (MB) as 1,000,000 bytes, a gigabyte (GB) as 1,000,000,000 bytes and a terabyte (TB) as 1,000,000,000,000 bytes. A computer operating system, however, reports storage capacity using powers of 2 for the definition of 1GB = 2^{30} = 1,073,741,824 bytes and therefore shows less storage capacity. Available storage capacity (including examples of various media files) will vary based on file size, formatting, settings, software and operating system, such as Microsoft Operating System and/or pre-installed software applications, or media content. Actual formatted capacity may vary.

▶ A kibibyte (KiB) means 2^{10}, or 1,024 bytes, a mebibyte (MiB) means 2^{20}, or 1,048,576 bytes, and a gibibyte (GiB) means 2^{30}, or 1,073,741,824 bytes.

▶ MTTF (Mean Time to Failure) is not a guarantee or estimate of product life; it is a statistical value related to mean failure rates for a large number of products which may not accurately reflect actual operation. Actual operating life of the product may be different from the MTTF.

▶ Read and write speed may vary depending on the host device, read and write conditions, and file size.

▶ QSBC: Quadruple Swing-By Code Technology