Client SSD

HG6 Series (SED model)

		2.5-inch Case (9.5 mm Height)	2.5-inch Case (7.0 mm Height)	mSATA Module	M.2 2280-D2 (Double-sided)	M.2 2280-S2 (Single-sided)
Basic Specifications						
Model Number	512 GB	THNSFJ512GBSU	THNSFJ512GCSU	THNSFJ512GACU	THNSFJ512GDNU	-
	256 GB	THNSFJ256GBSU	THNSFJ256GCSU	THNSFJ256GMCU	THNSFJ256G8NU	THNSFJ256GVNU
	128 GB	THNSFJ128GBSU	THNSFJ128GCSU	THNSFJ128GMCU	THNSFJ128G8NU	THNSFJ128GVNU
	60 GB	THNSFJ060GBSU	THNSFJ060GCSU	THNSFJ060GMCU	THNSFJ060G8NU	-
Connector Type		Standard SATA	Standard SATA	mSATA	M.2 B-M	
Interface		ACS-2, SATA revision 3.1				
Interface Speed		6.0 Gbit/s , 3.0 Gbit/s , 1.5 Gbit/s				
Memory Type		MLC				
Sequential Read		Up to 534 MB/s { 510 MiB/s }				
Sequential Write		Up to 482 MB/s { 460 MiB/s }				
Reliability						
MTTF		1,500,000 hours				
Power Requirements						
Supply Voltage		5.0 V ±5 %		3.3 V ±5 %		
Power Consumption (Active)		3.3 W Typ.		3.2 W Typ.		2.5 W Typ.
Power Consumption (Idle)		125 mW Typ.		65 mW Typ.		
Dimensions						
Height		9.5 mm	7.0 mm	3.95 mm	3.58 mm	2.23 mm
Width		69.85 mm		30.0 mm	22.0 mm	
Length		100.0 mm		50.95 mm	80.0 mm	
Weight		51 to 55 g Typ.	49 to 53 g Typ.	7.3 to 7.7 g Typ.	7.0 to 9.3 g Typ.	6.4 to 6.6 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		• Translation mode which enables any drive configuration • Hot plug/OS-Aware removal • Toshiba's proprietary error-correction technology, QSBC support • Read only mode supported for emergency • SED model is based on TCG OPAL ver. 2.0. SED model supports Wipe Technology.				

▶ For additional information, please refer to HG6 Series Product Brief.
▶ Product image may represent a design model.
▶ 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.
▶ TCG: Trusted Computing Group
▶ Wipe technology: Toshiba's unique technology which automatically erases data when a drive is accessed by an unregistered system.
▶ "2.5-inch" and "3.5-inch" mean the form factor of HDDs or SSDs. They do not indicate drive's physical size.
▶ QSBC: Quadruple Swing-By Code Technology

Rev.00