End of Sales

Specialty

MK1060GSCX

	MK1060GSCX
Basic Specifications	
Interface	Serial ATA 2.6 / ATA8
Interface Speed	1.5 Gbit/s
Formatted Capacity	100 GB
Logical Data Block Length (HOST)	512 B
Logical Data Block Length (DISK)	512 B
Environmental Compliance	RoHS Compatible
Performances	
Buffer Size	8 MiB
Rotation Speed	4,200 rpm
Average Latency Time	7.14 ms
Reliability	
Unrecoverable Error Rate	1 per 10^{14} bits read
Power Requirements	
Supply Voltage	5 V ±5 %
Power Consumption (Read / Write)	2.0 W Typ.
Power Consumption (Low Power Idle)	0.8 W Typ.
Dimensions	
Height	9.5 mm
Width	69.85 mm
Length	100.0 mm
Weight	98 g Max.
Environmental Requirements	
Temperature (Operating)	-30 to 85 °C
Temperature (Non-operating)	-40 to 95 °C
Humidity (Operating)	5 to 90 % R.H.
Humidity (Non-operating)	5 to 95 % R.H.
Altitude (Operating)	-300 to 5,500 m
Altitude (Non-operating)	-300 to 12,000 m
Vibration (Operating)	29.4 m/s^2 { 3.0 G } (5 to 50 Hz) 24.5 m/s^2 { 2.5 G } (50 to 200 Hz) 19.6 m/s^2 { 2.0 G } (200 to 500 Hz)
Vibration (Non-operating)	49 m/s^2 { 5.0 G } (10 to 500 Hz)
Shock (Operating)	2,940 m/s^2 { 300 G } (2 ms half sine) 980 m/s^2 { 100 G } (11 ms half sine)
Shock (Non-operating)	7,840 m/s^2 { 800 G } (1 ms half sine)
Acoustics (Sound Power)	
Idle	22 dB
Seek	23 dB

▶ 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 1,073,471,824 bytes.
▶ Toshiba Storage & Electronic Devices Solutions Company defines "RoHS-Compatible" products as products that either (i) contain no more than a maximum concentration value of 0.1% by weight in Homogeneous Materials for lead, mercury, hexavalent chromium, polybrominated biphenyls (PBBs) and polybrominated diphenyl ethers (PBDEs) and of 0.01% by weight in Homogeneous Materials for cadmium; or (ii) fall within any of the application exemptions set forth in the Annex to the RoHS Directive (Directive 2011/65/EC of the European Parliament and of the Council of 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment). "Homogeneous Material" means a material of uniform composition that cannot be mechanically disjointed (meaning separated, in principle, by mechanical actions such as unscrewing, cutting, crushing, grinding and/or abrasive processes) into different materials. Examples of "Homogeneous Materials" would be individual types of plastics, ceramics, glass, metals, alloys, paper, board, resins and coatings.
▶ Read and write speed may vary depending on the host device, read and write conditions, and file size.
▶ Cannot be applied for high operating ratio system kind of the business-critical.