End of Sales

Specialty

MQ01ABB200 / MQ01ABB150

	MQ01ABB200	MQ01ABB150
Basic Specifications		
Interface	Serial ATA 2.6 / ATA 8	
Interface Speed	3.0 Gbit/s	
Formatted Capacity	2 TB	1.5 TB
Logical Data Block Length (HOST)	512 B	
Logical Data Block Length (DISK)	4,096 B	
Environmental Compliance	RoHS Compatible	
Performances		
Buffer Size	8 MiB	
Rotation Speed	5,400 rpm	
Average Latency Time	5.56 ms	
Reliability		
Unrecoverable Error Rate	1 per 10^{14} bits read	
Power Requirements		
Supply Voltage	5 V ±5 %	
Power Consumption (Read / Write)	1.70 W Typ.	
Power Consumption (Low Power Idle)	0.70 W Typ.	
Dimensions		
Height	15.0 mm	
Width	69.85 mm	
Length	100.0 mm	
Weight	180 g Max.	
Environmental Requirements		
Temperature (Operating)	5 to 55 °C	
Temperature (Non-operating)	-40 to 65 °C	
Humidity (Operating)	8 to 90 % R.H.	
Humidity (Non-operating)	8 to 90 % R.H.	
Altitude (Operating)	-300 to 3,000 m	
Altitude (Non-operating)	-300 to 12,000 m	
Vibration (Operating)	9.8 m/s^2 { 1.0 G } (5 to 500 Hz)	
Vibration (Non-operating)	49 m/s^2 { 5.0 G } (15 to 500 Hz)	
ShocK (Operating)	1,960 m/s^2 { 200 G } (1 ms half sine wave) 2,940 m/s^2 { 300 G } (2 ms half sine wave)	
Shock (Non-operating)	5,880 m/s^2 { 600 G } (1 ms half sine wave) 1,960 m/s^2 { 200 G } (11 ms half sine wave)	
Acoustics (Sound Power)		
Idle	25 dB	
Seek	25 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.
▶ Toshiba Storage & Electronic Devices Solutions Company defines halogen-free and antimony-free SSD and HDD products as those meeting all of the following requirements: (a) containing bromine (Br) and chlorine (Cl) at no more than 900 parts per million (ppm) by weight for each element, and containing bromine and chlorine in an aggregate amount not exceeding 1500 ppm by weight; and (b) containing no more than 1000 ppm antimony (Sb) by weight. For the avoidance of doubt, Halogen-Free/Antimony-Free SSD or HDD products may not be entirely free of bromine, chlorine, or antimony, and may contain other element of the halogen family.
▶ Read and write speed may vary depending on the host device, read and write conditions, and file size.
▶ "2.5-inch" and "3.5-inch" mean the form factor of HDDs or SSDs. They do not indicate drive's physical size.