

**> MQ01ABUxxxBW SERIES
CLIENT MOBILE HDD**

HDD



> KEY FEATURES

- Up to 1 TB of Storage Capacity
- 2.5-inch 7 mm Slim Form Factor
- 5,400 rpm
- SATA up to 6.0 Gbit/s
- Advanced Format (AF) 512e Sector Length
- MTTF of 600,000 hours
- Low Power Consumption Versus 3.5-inch HDDs (DT01ACA series)
- Quiet Operation Versus 3.5-inch HDDs (DT01ACA series)
- RoHS compatible, Halogen-Free and Antimony-Free
- Maximize Performance with Native Command Queue (NCQ)
- Optimize HDD Health with SMART
- Featuring Toshiba's Unique Wipe Technology
- FIPS Certified

> APPLICATIONS

- Mobile Computing
- Printers
- Government
- Healthcare
- Banking/Financial
- High-End Multimedia Devices

> MAIN SPECIFICATIONS

Model Number		MQ01ABU050BW	MQ01ABU032BW
Interface		Serial ATA 2.6 / ATA-8	
Formatted Capacity		500 GB	320 GB
Performance	Interface Speed	6.0 Gbit/s Max.	
	Rotation Speed	5400 rpm	
	Buffer Size	8 MiB	
	Internal Transfer Speed(Typ.)	638.9 ~ 1288.6 Mbit/s	
Logical Data Block Length	MQ01ABDxxx	HOST: 512 B, DISK: 4,096 B	
MTTF		600 000 h	
Power Consumption	Low Power Idle	0.55 W Typ.	
Weight (Max.)		92 g	

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 = 230 = 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 210, or 1,024 bytes, a mebibyte (MiB) means 220, or 1,048,576 bytes, and a gibibyte (GiB) means 230, 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.

FIPS: FIPS 140-2, U.S. Federal Information Processing Standards 140-2.

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.

Subject to Change: While Toshiba has made every effort at the time of publication to ensure the accuracy of the information provided herein, product specifications, configurations, and availability are all subject to change without notice.

Before creating and producing designs and using, customers must also refer to and comply with the latest versions of all relevant TOSHIBA information and the instructions for the application that Product will be used with or for.