

Robust Storage Capacity and Peace of Mind for Notebook PCs

Mobile HDDs for notebook PCs and other devices provide cost-effective storage in a range of capacities from 500GB to 2TB as well as slim line models. Highly robust and silent, these HDDs can be used for a wide variety of consumer and portable devices.

Mobile Internal Hard Drive



L200 Series

2.5 inch Model
with Capacities up to 2TB

This compact series is perfect for slim line laptop PCs, all-in-one desktop PCs, and other consumer-oriented devices, with a lineup that includes a wide range of capacities.

Designed for Desktop Use

These HDDs are equipped with drop sensors and other technologies designed to protect stored data from the risks associated with day-to-day usage by busy consumers.

Silent Design

Models in this 2.5-inch¹ series are quieter than 3.5-inch² models, allowing consumer platforms to be quieter so that you can concentrate on the task at hand.

L200 Hard Disk Drive

Application

- Ultra-thin Notebooks Portable PCs
- Slim-line Desktop and “All-in-one” PCs
- High-End Multimedia Devices

Specifications

Formatted Capacity		2TB	1TB	500GB
Model Number		HDWL120UZSVA (MQ04ABD200)	HDWL110UZSVA (MQ04ABF100)	HDWK105UZSVA (MQ01ABF050)
Product Series		MQ04 series		MQ01 series
Specification				
Recording Technology		SMR (Shingled Magnetic Recording)		CMR (Conventional Magnetic Recording)
Interface		SATA 6 Gbit/s		
Form Factor		2.5 -inch		
Dimensions	Height	9.5 mm	7.0 mm	
	Length	100 mm		
	Wide	69.85 mm		
Maximum Weight		117 g	92 g	
Performance				
Rotation Speed		5,400 rpm		
Buffer Size		128 MiB		8 MiB
Shock Sensor		Supported		
Reliability				
MTTF		600,000 hours		
Load/Unload		600,000 times		
Power Requirements				
Supply Voltage		5 V ±5 %		
Power Consumption	Low Power Idle	0.60 W		0.55 W
Environmental Requirements				
Surface Temperature	Operating	0 to 65 °C		5 to 55 °C
	Non-Operating	-40 to 65 °C		
Vibration	Non-Operating	49 m/s² { 5.0 G } (15 to 500 Hz)		
Shock	Non-Operating	9,800 m/s² { 1,000 G } (2 ms duration)		8,820 m/s² { 900 G } (1 ms duration)
Acoustic	Idle	23 dB	19 dB	

Limited Warranty: 2 years

•Definition of capacity: Toshiba defines 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 mebibyte (MiB) means 2²⁰, or 1,048,576 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. •“2.5-inch”/ “3.5-inch” means the form factor of HDDs. They do not indicate drive's physical size. •Availability of retail box sales are subject to each country's operations.

•Before creating and producing designs and using, customers must also refer to and comply with the latest versions of all relevant information of this document and the instructions for the application that Product will be used with or for. •Product images used do not represent actual products.

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