

TOSHIBA



Proven Quality for your Desktop PC

Toshiba's P300 series of 3.5-inch¹ HDDs deliver up to 6 TB² of storage capacity. Optimized for use in consumer and commercial desktop computers, All-in-One systems, external storage and applications where capacity, low power consumption and reliability are critical.



Desktop

Internal Hard Drive

 P300 Series

Up to 3TB of Proven Conventional Magnetic Recording Capacity

Conventional Magnetic Recording technology is used to provide the best possible compatibility and performance, avoiding the potential performance degradation that may occur in applications that have not been optimized for Shingled Magnetic Recording.

Access Performance

With 7,200 rpm latency and a buffer capacity of 64MiB, these HDDs contribute to an improved user experience.

Strong Track Record

The award-winning Desktop HDDs series is recognized for its quality and track record.

P300 Hard Disk Drive

Application

- Consumer Desktop Computers
- “All-in-one” Desktop PCs
- Desktop External Storage
- Gaming PC

Specifications

Formatted Capacity	6TB	4TB	2TB	3TB	2TB	1TB	500GB
Model Number	HDWD260UZSVA (DT02ABA600)	HDWD240UZSVA (DT02ABA400)	HDWD220UZSVA (DT02ABA200)	HDWD130UZSVA (DT01ACA300)	HDWD120UZSVA (DT01ACA200)	HDWD110UZSVA (DT01ACA100)	HDWD105UZSVA (DT01ACA050)
Product Series	DT02 series			DT01 series			
Specification							
Interface	SATA 6 Gbit/s						
Form Factor	3.5-inch (Height:26.1 mm, Length:147.0 mm, Wide:101.85 mm)						
Maximum Weight	680 g	650 g	440 g	680 g			450 g
Performance							
Recording Technology	SMR (Shingled Magnetic Recording)			CMR (Conventional Magnetic Recording)			
Rotation Speed	5400 rpm			7200 rpm			
Buffer Size	128 MiB			64 MiB			
Load/Unload	600,000 times			300,000 times			
Power Requirements							
Supply Voltage	5 V DC ±5 % 12 V DC ±10 %						
Power Consumption	Read/Write	4.46 W	4.11 W	4.14 W	6.4 W		
	Active Idle	2.68 W	2.32 W	2.11 W	5.2 W	3.7 W	
Environmental Requirements							
Surface Temperature	Operating	0 to 55 °C			0 to 65 °C		
	Non-Operating	-40 to 65 °C			-40 to 70 °C		
Vibration	Operating	4.90 m/s ² { 0.50 G } (5 to 350 Hz) 2.45 m/s ² { 0.25 G } (350 to 500 Hz)			6.57 m/s ² { 0.67 G } (5 to 500 Hz)		
	Non-Operating	29.4 m/s ² { 3.0 G } (5 to 500 Hz)			10.2 m/s ² { 1.04 G } (2 to 200 Hz)		
Shock	Non-Operating	2,940 m/s ² { 300 G } (2 ms duration)	3,430 m/s ² { 350 G } (2 ms duration)	2,940 m/s ² { 300 G } (2 ms duration)	3,430 m/s ² { 350 G } (2 ms duration)		
Acoustic	Idle	24 dB	22 dB	21 dB	27 dB	25 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. •Read and write speed may vary depending on the host device, read and write conditions, and file size. •“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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