

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 256 MiB, 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	3TB	2TB	1TB
Model Number	Bulk	HDWD260UZSVA (DT02ABA600)	HDWD240UZSVA (DT02ABA400)	HDWD130UZSVA (DT01ACA300)	HDWD320UZSVA	HDWD110UZSVA (DT01ACA100)
	Retail	HDWD260AZSTA	HDWD240AZSTA	-	HDWD320A2STA	HDWD110AZSTA
Product Series		DT02 series		DT01 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	680 g	450 g	
Performance						
Recording Technology		SMR (Shingled Magnetic Recording)		CMR (Conventional Magnetic Recording)	SMR (Shingled Magnetic Recording)	CMR (Conventional Magnetic Recording)
Rotation Speed		5400 rpm		7200 rpm		
Buffer Size		128 MiB		64 MiB	256 MiB	64 MiB
Load/Unload		600,000 times		300,000 times	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	7.3 W	5.21 W	6.4 W
	Active Idle	2.68 W	2.32 W	5.2 W	2.92 W	3.7 W
Environmental Requirements						
Surface Temperature	Operating	0 to 60 °C				
	Non-Operating	-40 to 65 °C		-40 to 70 °C		
Vibration	Operating	4.90 m/s² { 0.50 G } { 5 to 350 Hz } 2.45 m/s² { 0.25 G } { 350 to 500 Hz }		6.57 m/s² { 0.67 G } { 5 to 500 Hz }	4.90 m/s² { 0.50 G } { 5 to 350 Hz } 2.45 m/s² { 0.25 G } { 350 to 500 Hz }	6.57 m/s² { 0.67 G } { 5 to 500 Hz }
	Non-Operating	29.4 m/s² { 3.0 G } { 5 to 500 Hz }		10.2 m/s² { 1.04 G } { 2 to 200 Hz }	29.4 m/s² { 3.0 G } { 5 to 500 Hz }	10.2 m/s² { 1.04 G } { 2 to 200 Hz }
Shock	Operating	686 m/s² { 70 G } (2 ms duration)				
	Non-Operating	2,940 m/s² { 300 G } (2 ms duration)	3,430 m/s² { 350 G } (2 ms duration)	2,940 m/s² { 300 G } (2 ms duration)	3,432 m/s² { 350 G } (2 ms duration)	
Acoustic	Idle	24 dB	22 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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www.toshiba-storage.asia