TOSHIBA

Proven quality for your Desktop PC

Providing both the performance and capacity required for graphic design, games and other tasks, the DT01 Series HDDs are designed to provide years of reliable service. And with four models offering capacities of 500GB, 1TB, 2TB, and 3TB, you can select the capacity that best fits your needs.

Desktop
Hard Disk Drive

DT 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 DT01 series of Desktop HDDs is recognized for its quality and track record.

Application

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

Specifications

Formatted Capacity	**3**TB	**2**TB	**1**TB	**500**GB
Model Number	DT01ACA300	DT01ACA200	DT01ACA100	DT01ACA050
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		450 g	
Performance				
Rotation Speed	7,200 rpm			
Buffer Size	64 MiB		64 or 32 MiB	
Load/Unload	300,000 times			
Power Requirements				
Supply Voltage	5 V DC ±5 % 12 V DC ±10 %			
Power Consumption / Read/Write	6.4 W			
Power Consumption / Active Idle	5.2 W		3.7 W	
Environmental Requirements				
Surface Temperature / Operating	0 to 65 °C			
Surface Temperature / Non-Operating	-40 to 70 °C			
Vibration / Operating	6.57 m/s^2 { 0.67 G } (5 to 500 Hz)			
Vibration / Non-Operating	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)	
Acoustic / Idle	27 dB		25 dB	

- 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 = 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 mebibyte (MiB) means 2^{20}, 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.

- 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.

Toshiba Electronic Devices & Storage Corporation

https://toshiba.semicon-storage.com

HDD-DTENA