TOSHIBA

Proven quality for your Desktop PC

Delivering both the performance and capacity required for graphic design, games and other tasks, the DT Series HDDs are designed to provide years of reliable service. With a wide range of capacities from 6TB to 500GB, you can select the capacity that best fits your needs.

Desktop
Hard Disk Drive

DT Series

Up to 6TB

High capacity options up to 6TB suitable for video and photo data backup.

Performance

We offer the DT02 series with 5400rpm for low power consumption and the DT01 series with 7200rpm for good performance.

Strong track record

The award-winning DT01 series of Desktop HDDs are recognized for their quality and track record.

Desktop Hard Disk Drive

Application

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

Specifications

Formatted Capacity		**6**TB	**4**TB	**2**TB	**3**TB	**2**TB	**1**TB	**500**GB
Model Number		DT02ABA600	DT02ABA400	DT02ABA200	DT01ACA300	DT01ACA200	DT01ACA100	DT01ACA050
Specification								
Recording Technology		SMR			CMR			
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								
Rotation Speed		5400 rpm			7200 rpm			
Buffer Size		128 MiB			64 MiB			
Reliability								
MTTF		600k hours			—			
Load/Unload		600k times			300k 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	5.8 W	6.4 W	
	Active Idle	2.68 W	2.32 W	2.11 W	5.2 W	4.4 W	3.7 W	
Environmental Requirements								
Surface Temperature	Operating	0 to 60 °C			0 to 65 °C			
	Non-Operating	-40 to 65 °C			-40 to 70 °C			
Vibration	Operating	4.90 m/s² { 0.50 G } (5 to 350 Hz) 2.35 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 { 3.00 G } (5 to 500 Hz)			10.2 m/s² { 1.04 G } (2 to 200 Hz)			
Shock	Non-Operating (2 ms duration)	2940 m/s² {300 G}	3430 m/s² { 350 G }		2940 m/s² { 300 G }		3430 m/s² { 350 G }	
Acoustic	Idle	24 dB	22 dB	21 dB	27 dB		25 dB	

- Definition of capacity: One terabyte (TB) = one trillion bytes, but storage capacity actually available may vary depending on operating environment and formatting. Available storage capacity (including examples of various media files) will vary based on file size, formatting, settings, software and operating system and/or pre-installed software applications, or media content. Actual formatted capacity may vary. • A mebibyte (MiB) means 1 048 576 bytes. • MTTF (Mean Time to Failure) of the HDDs during its life time is 600k hours. This assumes power-on hours are 2400 h/year (average HDA surface temperature:40°C or less, workloads:55TB/year). Use at case HDA surface temperature above 40°C may degrade product reliability and reduce warranty period. • Operation of high surface temperature will be shortened of the drives useful life. The recommendation operating condition of surface temperature is less than 60°C. • 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. • Company names, product names, and service names may be trademarks of their respective companies.

Toshiba Electronic Devices & Storage Corporation

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HDD-DTENB