

TOSHIBA



P300 Desktop PC Hard Drives

Performance meets reliability

Toshiba P300 Desktop PC Hard Drive delivers high performance for everyday home or office computing needs. With its two-stage actuator, you can count on smooth, responsive processing power. In addition, your data and media are secured with a loading ramp design to prevent data loss or drive wear and tear. The P300 is available in capacities up to 6 TB.



Use for

- Desktop Workstations
- All-in-one PCs
- Desktop PCs
- External enclosures

Top Features

- 7200/5400 rpm speed with up to 256 MiB buffer
- 3.5-inch Form Factor

Capacities

6 TB 4 TB 2 TB



P300

Desktop PC Hard Drives

Capacity *1	6 TB	4 TB	2 TB	2 TB	
Parts Number	HDWD260UZSVA	HDWD240UZSVA	HDWD320UZSVA	HDWD220UZSVA	
Basic Specifications					
Recording Technology	SMR				
Interface	SATA 6.0 Gbit/s				
Form Factor *2	3.5-inch				
Sector Size	512e				
Shock Sensor	yes				
Performances					
Rotation Speed	5400 rpm		7200 rpm	5400 rpm	
Buffer Size *3	128 MiB		256 MiB	128 MiB	
Reliability					
Unrecoverable Error Rate	1 per 10E14				
Load/Unload cycles	600 000 times				
Power Requirements					
Supply Voltage	12 VDC ±10 % 5 VDC ±5 %				
Power Consumption	Operating	4.46 W	4.11 W	5.21 W	4.14 W
	Active Idle	2.68 W	2.32 W	2.92 W	2.11 W
Environmental					
Temperature	Operating	0 to 60 °C (Surface)			
	Non-operating	-40 to 65 °C	-40 to 70 °C	-40 to 65 °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)			
	Non-operating	29.4 m/s ² {3.0 G} (5 to 500 Hz)			
Shock	Operating	686 m/s ² {70 G} (2 ms duration)	785 m/s ² {80 G} (2 ms duration)	686 m/s ² {70 G} (2 ms duration)	
	Non-operating	2940 m/s ² {300 G} (2 ms duration)	3432 m/s ² {350 G} (2 ms duration)	3430 m/s ² {350 G} (2 ms duration)	
Acoustics (Active Idle)	24 dB (Typ.)	22 dB (Typ.)	25 dB (Typ.)	21 dB (Typ.)	
Physical					
Dimension	147 (L) x 101.85 (W) x 26.1 (H) mm (Max)				
Weight	680 g (Max)	650 g (Max)	450 g (Max)	440 g (Max)	

*1 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.

*2 "3.5-inch" means the form factor of HDDs. They do not indicate drive's physical size.

*3 A mebibyte (MiB) means 1 048 576 bytes.

- Product image may represent a design model.
- 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.