

# TOSHIBA



[View more](#)

## P300 Desktop PC Hard Drives


### Performance meets reliability

The 3.5-inch 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

- SATA** 3.5" SATA Hard Drive
- RPM** 5,400 rpm (6 | 4 TB)  
7,200 rpm (3 | 2 | 1 TB)
-  256 MB buffer (2 TB)  
128 MB buffer (6 | 4 TB)  
64 MB buffer (3 | 1 TB)

### Capacities

6 TB   4 TB   3 TB   2 TB   1 TB



## P300

 Desktop PC Hard Drives

	6 TB	4 TB	3 TB	2 TB	1 TB
Bulk Number	HDWD260UZSVA	HDWD240UZSVA	HDWD130UZSVA	HDWD320UZSVA	HDWD110UZSVA
<b>Basic Specifications</b>					
Form factor	3.5-inch				
Interface	SATA 6.0 Gbit/s				
Native command queuing (NCQ)	supported				
Shock Sensor	yes				
Advanced Format (AF)	yes				
RoHS compatible	yes				
Halogen free	yes				
Recording Technology	SMR		CMR	SMR	CMR
<b>Performance</b>					
Rotational speed (rpm)	5,400		7,200		
Buffer size (MB)	128		64	256	64
Average latency (ms)	5.56		4.17		
<b>Reliability</b>					
Unrecoverable error rate	1 per 10 <sup>14</sup>				
Load/Unload cycle	600,000		300,000	600,000	300,000
Limited warranty (years)	2				
<b>Power Management</b>					
Supply voltage	5 V DC ±5 % 12 V DC ±10 %				
Consumption (operating)	4.46 W typ.	4.11 W typ.	7.3 W typ.	5.21 W typ.	6.4 W typ.
Consumption (active idle)	2.68 W typ.	2.32 W typ.	5.2 W typ.	2.92 W typ.	3.7 W typ.
<b>Environmental</b>					
Temperature (operating/non-operating)	0 to 60 °C -40 to 65 °C		0 to 65 °C -40 to 70 °C	0 to 60 °C -40 to 70 °C	0 to 65 °C -40 to 70 °C
Vibration (operating)	4.90 m/s <sup>2</sup> {0.50 G} (5 to 350 Hz) 2.45 m/s <sup>2</sup> {0.25 G} (350 to 500 Hz)		6.57 m/s <sup>2</sup> {0.67 G} (5 to 500 Hz)	4.90 m/s <sup>2</sup> {0.50 G} (5 to 350 Hz) 2.45 m/s <sup>2</sup> {0.25 G} (350 to 500 Hz)	6.57 m/s <sup>2</sup> {0.67G} (5 to 500 Hz)
Vibration (non-operating)	29.4 m/s <sup>2</sup> {3.0 G} (5 to 500 Hz)		10.2 m/s <sup>2</sup> {1.04G} (2 to 200 Hz)	29.4 m/s <sup>2</sup> {3.0 G} (5 to 500 Hz)	10.2 m/s <sup>2</sup> {1.04G} (2 to 200 Hz)
Shock (operating)	686 m/s <sup>2</sup> {70 G} (2 m duration)			785 m/s <sup>2</sup> {80 G} (2 m duration)	686 m/s <sup>2</sup> {70 G} (2 m duration)
Shock (non-operating)	2,940 m/s <sup>2</sup> {300 G} (2 m duration)	3,430 m/s <sup>2</sup> {350 G} (2 m duration)	2,940 m/s <sup>2</sup> {300 G} (2 m duration)	3,432 m/s <sup>2</sup> {350 G} (2 m duration)	
Acoustics (idle mode)	24 dB typ.	22 dB typ.	27 dB typ.	25 dB typ.	
<b>Physical</b>					
Dimensions	147 (L) x 101.85 (W) x 26.1 (H)				
Weight	680 g	650 g	680 g	450 g	