

TOSHIBA



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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	4	3	2	1
TB	TB	TB	TB	TB



P300

 Desktop PC Hard Drives

	6 TB	4 TB	3 TB	2 TB	1 TB
Bulk Number	HDWD260UZSVA	HDWD240UZSVA	HDWD130UZSVA	HDWD320UZSVA	HDWD110UZSVA
Basic Specifications					
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
Performance					
Rotational speed (rpm)	5,400		7,200		
Buffer size (MB)	128		64	256	64
Average latency (ms)	5.56		4.17		
Reliability					
Unrecoverable error rate	1 per 10 ¹⁴				
Load/Unload cycle	600,000		300,000	600,000	300,000
Limited warranty (years)	2				
Power Management					
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.
Environmental					
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 ² {0.50 G} (5 to 350 Hz) 2.45 m/s ² {0.25 G} (350 to 500 Hz)		6.57 m/s ² {0.67 G} (5 to 500 Hz)	4.90 m/s ² {0.50 G} (5 to 350 Hz) 2.45 m/s ² {0.25 G} (350 to 500 Hz)	6.57 m/s ² {0.67G} (5 to 500 Hz)
Vibration (non-operating)	29.4 m/s ² {3.0 G} (5 to 500 Hz)		10.2 m/s ² {1.04G} (2 to 200 Hz)	29.4 m/s ² {3.0 G} (5 to 500 Hz)	10.2 m/s ² {1.04G} (2 to 200 Hz)
Shock (operating)	686 m/s ² {70 G} (2 m duration)			785 m/s ² {80 G} (2 m duration)	686 m/s ² {70 G} (2 m duration)
Shock (non-operating)	2,940 m/s ² {300 G} (2 m duration)	3,430 m/s ² {350 G} (2 msduration)	2,940 m/s ² {300 G} (2 m duration)	3,432 m/s ² {350 G} (2 m duration)	
Acoustics (idle mode)	24 dB typ.	22 dB typ.	27 dB typ.	25 dB typ.	
Physical					
Dimensions	147 (L) x 101.85 (W) x 26.1 (H)				
Weight	680 g	650 g	680 g	450 g	