

# 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 (2 TB)
	256 MB buffer (2 TB) 128 MB buffer (6   4 TB)

#### Capacities

6	4	2
TB	TB	TB



## P300

## Desktop PC Hard Drive – 6 TB

Retail Number	n/a
Bulk Number	HDWD260UZSVA

## Basic Specifications

Form factor	3.5-inch
Interface	SATA 6.0 Gbit/s
Recording Technology	SMR
Native command queuing (NCQ)	supported
Shock Sensor	yes
Advanced Format (AF)	yes
RoHS compatible	yes
Halogen free	yes

## Performance

Rotational speed (rpm)	5,400
Buffer size (MB)	128
Average latency (ms)	5.56

## Reliability

Unrecoverable error rate	1 per 10 <sup>14</sup>
Load/Unload cycles	600,000
Limited warranty (years)	2

## Power Management

Supply voltage	5 V DC ±5 % 12 V DC ±10 %
Consumption (operating)	4.46 W typ.
Consumption (active idle)	2.68 W typ.

## Environmental

Temperature (operating/non-operating)	0 to 60 °C -40 to 65 °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)
Vibration (non-operating)	29.4 m/s <sup>2</sup> {3.0 G} (5 to 500 Hz)
Shock (operating)	686 m/s <sup>2</sup> {70 G} (2 ms duration)
Shock (non-operating)	2,940 m/s <sup>2</sup> {300 G} (2 m duration)
Acoustics (idle mode)	24 dB typ.

## Physical

Dimensions	147 (L) x 101.85 (W) x 26.1 (H) mm
Weight	680 g

## Logistic Information (Bulk)

Master carton quantity	20 pcs
Master carton size	321 (L) x 406 (W) x 213 (H) mm
Master carton weight	16 kg
Pallet quantity per layer	180 pcs
Number of layer	4 layer
Pallet quantity	720 pcs
Pallet size	1,250 (L) x 1,030 (W) x 1,030 (H) mm
Country of origin	China

P300

Desktop PC Hard Drive – 4 TB

Retail Number	n/a
Bulk Number	HDWD240UZSVA

Basic Specifications

Form factor	3.5-inch
Interface	SATA 6.0 Gbit/s
Recording Technology	SMR
Native command queuing (NCQ)	supported
Shock Sensor	yes
Advanced Format (AF)	yes
RoHS compatible	yes
Halogen free	yes

Performance

Rotational speed (rpm)	5,400
Buffer size (MB)	128
Average latency (ms)	5.56

Reliability

Unrecoverable error rate	1 per 10 <sup>14</sup>
Load/Unload cycles	600,000
Limited warranty (years)	2

Power Management

Supply voltage	5 V DC ±5 % 12 V DC ±10 %
Consumption (operating)	4.11 W typ.
Consumption (active idle)	2.32 W typ.

Environmental

Temperature (operating/non-operating)	0 to 60 °C -40 to 65 °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)
Vibration (non-operating)	29.4 m/s <sup>2</sup> {3.0 G} (5 to 500 Hz)
Shock (operating)	686 m/s <sup>2</sup> {70 G} (2 ms duration)
Shock (non-operating)	3,430 m/s <sup>2</sup> {350 G} (2 ms duration)
Acoustics (idle mode)	22 dB typ.

Physical

Dimensions	147 (L) x 101.85 (W) x 26.1 (H) mm
Weight	650 g

Logistic Information (Bulk)

Master carton quantity	20 pcs
Master carton size	321 (L) x 406 (W) x 213 (H) mm
Master carton weight	16 kg
Pallet quantity per layer	180 pcs
Number of layer	4 layer
Pallet quantity	720 pcs
Pallet size	1,250 (L) x 1,030 (W) x 1,030 (H) mm
Country of origin	China

## P300

## Desktop PC Hard Drive – 2 TB

Retail Number	n/a
Bulk Number	HDWD320UZSVA

## Basic Specifications

Form factor	3.5-inch
Interface	SATA 6.0 Gbit/s
Recording Technology	SMR
Native command queuing (NCQ)	supported
Shock Sensor	yes
Advanced Format (AF)	yes
RoHS compatible	yes
Halogen free	yes

## Performance

Rotational speed (rpm)	7,200
Buffer size (MB)	256
Average latency (ms)	4.17

## Reliability

Unrecoverable error rate	1 per 10 <sup>14</sup>
Load/Unload cycles	600,000
Limited warranty (years)	2

## Power Management

Supply voltage	5 V DC ±5 % 12 V DC ±10 %
Consumption (operating)	5.21 W typ.
Consumption (active idle)	2.92 W typ.

## Environmental

Temperature (operating/non-operating)	0 to 60 °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)
Vibration (non-operating)	29.4 m/s <sup>2</sup> {3.0 G} (5 to 500 Hz)
Shock (operating)	785 m/s <sup>2</sup> {80 G} (2 m duration)
Shock (non-operating)	3,432 m/s <sup>2</sup> {350 G} (2 m duration)
Acoustics (idle mode)	25 dB typ.

## Physical

Dimensions	147 (L) x 101.85 (W) x 26.1 (H) mm
Weight	450 g

## Logistic Information (Bulk)

Master carton quantity	20 pcs
Master carton size	321 (L) x 406 (W) x 213 (H) mm
Master carton weight	16 kg
Pallet quantity per layer	180 pcs
Number of layer	4 layer
Pallet quantity	720 pcs
Pallet size	1,250 (L) x 1,030 (W) x 1,030 (H) mm
Country of origin	China