

PC

# P300 Desktop PC Hard Drive

Performance that meets demands



6 4 3 2 1 500  
TB TB TB TB TB GB

Color

- ? 3.5" SATA Hard Drive
- ? 7200 rpm /5400 rpm
- ? 64/128 MB buffer
- ? Advanced Format

EMEA Region, Toshiba Storage Solutions – The 3.5-inch P300 Desktop PC Hard Drive delivers a high performance for professionals. With its dual-stage actuator, you can count on smooth, responsive computing. What's more, your data and media is secured with a ramp loading design, as well as a shock sensor. The P300 is available in capacities up to 6 TB.

Use for:

- Powerful desktop workstations
- All-in-one PCs
- Desktop PCs
- External enclosures
- Gaming computers

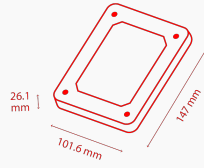


## Manual

[Installation-and-Safety-Internal-HDDs.pdf](#) ?



# Product Specifications



## Basic Specifications

Form factor	3.5-inch
Interface	SATA 6.0 Gbit/s)
Advanced Format (AF)	Yes
RoHS compatible	Yes
Halogen Free	Yes
Shock Sensor	Yes
Recording Technology	CMR (500GB- 3TB): HDWD130EZSTA, HDWD130UZSVA, HDWD120EZSTA, HDWD120UZSVA, HDWD110EZSTA, HDWD110UZSVA HDWD105UZSVA, SMR (2 TB-6 TB): HDWD260UZSVA, HDWD240UZSVA, HDWD220UZSVA, HDWD320UZSVA, HDWD260EZSTA, HDWD240EZSTA, HDWD220EZSTA, HDWD320EZSTA

## Performance

Rotational speed	5,400 rpm (2TB - 6 TB SMR) 7,200 rpm (500 GB - 3 TB CMR, 2 TB SMR HDWD320)
Buffer size	256 MB (2 TB SMR HDWD320), 128 MB (2TB - 6 TB SMR), 64 MB (500 GB - 3 TB CMR)
Native Command Queuing (NCQ)	supported

## Reliability

Unrecoverable error rate	1 per 10E14 bits read
Load / Unload Cycle	600.000 (2TB - 6 TB SMR), 300.000 (500 GB - 3 TB CMR)

## Power Management

Supply voltage	5VDC (±5%) / 12VDC (±10%)
Consumption – Read/Write	4.46 W typ. (6 TB), 4.11 W typ. (4 TB), 7.3 W typ (3 TB), 5.21 W typ. (2 TB SMR HDWD320), 4.14 W typ. (2 TB SMR), 7.3 / 6.7 W typ. (2 TB CMR), 6.40 W typ. (500 GB, 1 TB)

## Box Content

Box Content	3.5-inch internal HDD - P300 Desktop PC Hard Drive
-------------	--

## Physical

Weight (approx.)	680 g max. (6 TB, 3 TB, 2TB CMR), 650 g max. (4 TB), 440 g max. (2 TB SMR) 450 g max. (500 GB, 1 TB, 2 TB SMR HDWD320)
Dimensions	147 (L) x 101.85 (W) x 26.1 (H) mm

## Environmental

Acoustics (idle mode)	24 dB typ. (6 TB), 22 dB typ. (4 TB), 27 dB typ. (2 TB CMR, 3 TB), 21 dB typ. (2 TB SMR), 25 dB typ. (500 GB, 1 TB, 2 TB SMR HDWD320)
Shock (non-operating)	300 G (2 ms half sine) (2 TB CMR, 3 TB, 6 TB) 350 G (2 ms half sine) (500 GB, 1 TB, 2TB SMR, 4 TB, 2 TB SMR HDWD320)
Shock (operating)	70 G / 2 ms duration
Vibration (non-operating)	1.04 G (2 - 200 Hz) (500 GB - 3 TB CMR) 3.0 G (5 - 500Hz) (2 TB - 6 TB SMR, 2 TB SMR HDWD320)
Vibration (operating)	0.50 G (5 - 350 Hz) (2TB - 6 TB SMR, 2 TB SMR HDWD320), 0.67 G (5 - 500 Hz) (500 GB - 3 TB CMR)
Temperature (operating / non-operating)	0 - 60° C / -40 - 65 °C (2TB - 6 TB SMR, 2 TB SMR HDWD320), 0 - 60° C / -40 - 70 °C (500 GB - 3 TB CMR)

# Product Range

Part number	Capacity	Color
HDWD260EZSTA (Retail)	6 TB	-
HDWD260UZSVA (Bulk)	6 TB	-
HDWD240EZSTA (Retail)	4 TB	-
HDWD240UZSVA (Bulk)	4 TB	-
HDWD130EZSTA (Retail)	3 TB	-
HDWD130UZSVA (Bulk)	3 TB	-
HDWD120EZSTA (Retail)	2 TB	-
HDWD120UZSVA (Bulk)	2 TB	-
HDWD220UZSVA (Bulk)	2 TB	-
HDWD220EZSTA (Retail)	2 TB	-
HDWD320UZSVA (Bulk)	2 TB	-
HDWD320EZSTA (Bulk)	2 TB	-
HDWD110UZSVA (Bulk)	2 TB	-
HDWD110EZSTA (Retail)	1 TB	-
HDWD105EZSTA (Retail)	1 TB	-
HDWD105EZSTA (Retail)	500 GB	-
HDWD105UZSVA (Bulk)	500 GB	-

## Logistical Information:

Box dimensions	189.0 mm (H) x 136.0 mm (W) x 60.0 mm (D)
Box weight (gross)	825 g max. (2 TB CMR, 3 TB, 6 TB), 795 g max. (4 TB), 595 g max. (1 TB, 2TB SMR)
Master carton dimensions	255 x 147 x 212mm
Master carton weight (gross)	3554 g max. (2 TB CMR, 3 TB, 6 TB), 3434 g max. (4 TB) 2594 g max. (2 TB SMR) 2634 g max. (1 TB)
Boxes per master carton	4 pcs
Pallet dimensions	1150 x 1150 x 130 mm
Pallet weight (net)	n/A
Units per pallet	400 pcs
Units per carton	20 pcs.
Carton dimensions	321 x 406 x 213 mm
Carton weight (gross)	16 kg (typ.) (2 TB - 6 TB), 11 kg (typ.) (500 GB, 1 TB)
Units per pallet	720 pcs.

## Contact

### Toshiba Electronics Europe GmbH

Hansaallee 181  
40549 Düsseldorf  
Germany