

PC

# P300 Desktop PC Hard Drive

Performance that meets demands



3 2 1 500  
TB TB TB GB

Color 

Toshiba's 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 3 TB.

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



- SATA** 3.5" SATA Hard Drive
- RPM** 7200 rpm
-  64 MB buffer
-  Advanced Format

## Manual

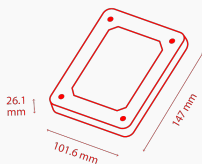
[Toshiba Installation and Safety.pdf](#) 

## Tools

[TOSHIBA Storage Diagnostic Tool.zip](#) 



# 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              |

## Performance

|                             |           |
|-----------------------------|-----------|
| Rotational speed            | 7,200 rpm |
| Buffer size                 | 64 MB     |
| Average latency             | 4.17 ms   |
| Native Command Queing (NCQ) | supported |

## Reliability

|                          |                       |
|--------------------------|-----------------------|
| Unrecoverable error rate | 1 per 10E14 bits read |
|--------------------------|-----------------------|

## Power Management

|                              |                                                                    |
|------------------------------|--------------------------------------------------------------------|
| Supply voltage               | 5VDC (±5%) / 12VDC (±10%)                                          |
| Consumption - Read/Write     | 6.40 W typ. (500 GB, 1 TB, 3 TB), 5.80 W typ. (2 TB)               |
| Consumption - Low Power Idle | 5.20 W typ. (3 TB), 4.40 W typ. (2 TB), 3.70 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. (2 TB, 3 TB), 450 g max. (500 GB, 1 TB) |
| Dimensions       | 147 (L) x 101.6 (W) x 26.1 (H) mm                  |

## Environmental

|                           |                                                                              |
|---------------------------|------------------------------------------------------------------------------|
| Acoustics (seek mode)     | 28 dB typ. (2 TB, 3 TB), 26 dB typ. (500 GB, 1 TB)                           |
| Acoustics (idle mode)     | 27 dB typ. (2 TB, 3 TB), 25 dB typ. (500 GB, 1 TB)                           |
| Shock (non-operating)     | 300 G (2 ms half sine) (2 TB, 3 TB)<br>350 G (2 ms half sine) (500 GB, 1 TB) |
| Shock (operating)         | 70 G / 2 ms duration                                                         |
| Vibration (non-operating) | 1.04 G (2 to 200 Hz)                                                         |
| Vibration (operating)     | 0.67 G (5 to 500 Hz)                                                         |

# Product Range

| Part number           | Capacity | Color |
|-----------------------|----------|-------|
| HDWD130EZSTA (Retail) | 3 TB     | -     |
| HDWD130UZSVA (Bulk)   | 3 TB     | -     |
| HDWD120EZSTA (Retail) | 2 TB     | -     |
| HDWD120UZSVA (Bulk)   | 2 TB     | -     |
| HDWD110EZSTA (Retail) | 1 TB     | -     |
| HDWD110UZSVA (Bulk)   | 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, 3 TB), 595 g max. (500 GB, 1 TB)   |
| Master carton dimensions     | 255 x 147 x 212mm                                    |
| Master carton weight (gross) | 3554 g max. (2 TB, 3 TB), 2634 g max. (500 GB, 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.), 11 kg (typ.) (500 GB, 1 TB)            |
| Units per pallet             | 720 pcs.                                             |

## Contact

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