

P300 - High-Performance Hard Drive





Performance alongside reliability The dual-stage actuator improves positional accuracy, negating the effects on head-track alignment that vibrations can cause.



The P300's design includes an internal shock sensor and ramp load technology, ensuring no data is lost.



Advanced read an write technology With Perpendicular Magnetic Recording technology and Tunnel Magneto-Resistive recording technology the P300 is equipped for fast and secure reading and writing of data.

Performance that meets demands

Toshiba's P300 3.5" internal 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 that prevents damage on the move, as well as a shock sensor. The P300 is available in capacities up to 3 TB.

Target devices:

Primary storage, all-in-one PCs, desktop PCs, external enclosures, gaming computers, powerful desktop workstations

Target applications:

Challenging applications including gaming, photo editing and video review

Save your best moments

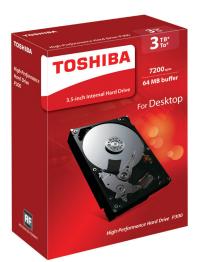
toshiba.eu/storage



Top features:

- Optimal for desktop primary devices
- High performance and reliability
- Data protection technology





| Specifications and Performance | | | |
|--------------------------------|--|---|--|
| Part number: | P300 - High-Performance Hard Drive, 3 TB: | HDWD130EZSTA (Retail), HDWD130UZSVA (Bulk) | |
| | P300 - High-Performance Hard Drive, 2 TB: | HDWD120EZSTA (Retail), HDWD120UZSVA (Bulk) | |
| | P300 - High-Performance Hard Drive, 1 TB: | HDWD110EZSTA (Retail), HDWD110UZSVA (Bulk) | |
| | P300 - High-Performance Hard Drive, 500 GB: | HDWD105EZSTA (Retail), HDWD105UZSVA (Bulk) | |
| Form factor: | 3.5-inch | | |
| Interface: | SATA 6.0 Gbit/s | | |
| Available capacities: | 3 TB, 2 TB, 1 TB, 500 GB | 3 TB, 2 TB, 1 TB, 500 GB | |
| Advanced Format (AF): | yes | | |
| RoHS compatible: | yes | | |
| Halogen Free: | yes | | |
| Performance | | | |
| Rotational speed: | 7200 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: | 6.4 W typ. | | |
| Consumption - Low Power Idle: | 5.2 W typ. (3 TB & 2 TB), 3.7 W typ. (1 TB & 500 GB) | | |
| Environmental | | | |
| Temperature (operating): | 0 to 60 °C | | |
| Temperature (non-operating): | -40 to 70 °C | | |
| Vibration (operating): | 6.57 m/s2 {0.67 G} (5 to 500 Hz) | | |
| Vibration (non-operating): | 10.2 m/s2 {1.04 G} (2 to 200 Hz) | | |
| Shock (operating): | 686 m/s2 {70 G} (2 ms half sine) | | |
| Shock (non-operating): | 3,430 m/s2 {350 G} (2 ms half sine) (500 GB & 1 TB) 2,920 m/s2 {350 G} (2 ms half sine) (2 TB & 3 TB) | | |
| Acoustics (idle mode): | 27 dB typ. (3 TB & 2 TB), 25 dB typ. (1 TB & 500 GB) | | |
| Acoustics (seek mode): | 28 dB typ. (3 TB & 2 TB), 26 dB typ. (1 TB & 500 GB) | | |
| Physical | | | |
| Dimensions: | 147 (L) x 101.6 (W) x 26.1 (H) mm | | |
| Weight: | 680 g max. (3 TB & 2 TB), 450 g max. (1 TB & 500 GB) | | |

Box Content

• 3.5-inch internal HDD - P300 High-Performance Hard Drive

Quick Start Guide Warranty Leaflet

Copyright © 2017 Toshiba Electronics Europe GmbH. All Rights Reserved. Product specifications, configurations, prices and component / options availability are all subject to change without notice. Product design, specifications and colours are subject to change without notice and may vary from those shown. Errors and omissions excepted.