

TOSHIBA

Upgrade Your Desktop Experience.

Toshiba P300 Desktop PC Internal Hard Drive



Image does not represent actual product.

Expect more from your PC with a boost from the Toshiba P300 Desktop PC Internal Hard Drive. Elevate your daily computing needs with robust storage capacity, data protection technology, and 7200 RPM rotation speed. The P300 delivers both performance and reliability so whether in the office or home, you can count on a smooth, responsive computing experience.

Toshiba P300 Desktop PC Internal Hard Drive

Application

Desktop computers
All-in-one computers



Product image may represent a design model.



Versatile

Designed for everyday
desktop computing



Solid Performance

7200 RPM with 64MB cache



Data Protection

Ramp loading technology
and built-in shock sensor
help protect the drive and data



Reliable

Advanced Format (AF) technology
helps deliver drive efficiency
and data integrity



Broad Compatibility

Industry-standard form factor
and CMR technology help ensure
compatibility with most PCs



Toshiba P300 Desktop PC Internal Hard Drive

Capacity ¹	3TB	2TB	1TB	500GB
Model Number (Retail packaging)	HDWD130XZSTA	HDWD120XZSTA	HDWD110XZSTA	N/A
Model Number (Bulk)	HDWD130UZSVA	HDWD120UZSVA	HDWD110UZSVA	HDWD105UZSVA
Basic Specifications				
Interface	SATA 6.0 Gbit/s	SATA 6.0 Gbit/s	SATA 6.0 Gbit/s	SATA 6.0 Gbit/s
Form Factor ²	3.5-inch	3.5-inch	3.5-inch	3.5-inch
Advanced Format (AF)	yes	yes	yes	yes
RoHS Compatible ³	yes	yes	yes	yes
Features				
Shock Sensor	yes	yes	yes	yes
Ramp Loading Technology	yes	yes	yes	yes
Recording Technology	CMR	CMR	CMR	CMR
Performance				
Rotational Speed [RPM]	7,200	7,200	7,200	7,200
Cache Size [MB]	64	64	64	64
Reliability				
Unrecoverable Error Rate	1 per 10 ¹⁴	1 per 10 ¹⁴	1 per 10 ¹⁴	1 per 10 ¹⁴
Load/Unload Cycles	300,000	300,000	300,000	300,000
Limited Warranty ⁴ [Years]	2	2	2	2
Power Management				
Supply Voltage	5 V DC ±5 % 12 V DC ±10 %	5 V DC ±5 % 12 V DC ±10 %	5 V DC ±5 % 12 V DC ±10 %	5 V DC ±5 % 12 V DC ±10 %
Power Consumption (Operating) [W]	6.4	5.8	6.4	6.4
Power Consumption (Idle) [W]	5.2	4.4	3.7	3.7
Environmental				
Temperature (Operating) [°C]	0 to 65 (surface)	0 to 65 (surface)	0 to 65 (surface)	0 to 65 (surface)
Temperature (Non-Operating) [°C]	-40 to 70	-40 to 70	-40 to 70	-40 to 70
Vibration (Operating)	6.57 m/s ² {0.67G} (5 to 500 Hz)	6.57 m/s ² {0.67G} (5 to 500 Hz)	6.57 m/s ² {0.67G} (5 to 500 Hz)	6.57 m/s ² {0.67G} (5 to 500 Hz)
Vibration (Non-Operating)	10.2 m/s ² {1.04G} (2 to 200 Hz)	10.2 m/s ² {1.04G} (2 to 200 Hz)	10.2 m/s ² {1.04G} (2 to 200 Hz)	10.2 m/s ² {1.04G} (2 to 200 Hz)
Shock (Operating)	686 m/s ² {70G} (2 ms duration)	686 m/s ² {70G} (2 ms duration)	686 m/s ² {70G} (2 ms duration)	686 m/s ² {70G} (2 ms duration)
Shock (Non-Operating)	2940 m/s ² {300G} (2 ms half sine)	2940 m/s ² {300G} (2 ms half sine)	3432 m/s ² {350G} (2 ms half sine)	3432 m/s ² {350G} (2 ms half sine)
Acoustics (Idle Mode) [dB]	27	27	25	25
Physical				
Height (mm Max.)	26.1	26.1	26.1	26.1
Length (mm Max.)	147.0	147.0	147.0	147.0
Width (mm Max.)	101.85	101.85	101.85	101.85
Weight (g Max.)	680	680	450	450
Bottom Holes Type ⁵	TYPE 2	TYPE 2	TYPE 2	TYPE 2

Toshiba Consumer Internal Hard Drives.

A drive for every storage application.



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To see our full line of consumer HDD storage products, visit: storage.toshiba.com/consumer-hdd

¹ One Gigabyte (1GB) means $10^9 = 1,000,000,000$ bytes and One Terabyte (1TB) means $10^{12} = 1,000,000,000,000$ bytes using powers of 10. A computer operating system, however, reports storage capacity using powers of 2 for the definition of $1\text{GB} = 2^{30} = 1,073,741,824$ bytes and $1\text{TB} = 2^{40} = 1,099,511,627,776$ bytes, and therefore shows less storage capacity. Available storage capacity (including examples of various media files) will vary based on file size, formatting, settings, software and operating system and other factors.

² 2.5-inch and 3.5-inch mean the form factor of HDDs. They do not indicate drive's physical size.

³ Toshiba Storage & Electronic Devices Solutions Company defines "RoHS-Compatible" products as products that either (i) contain no more than a maximum concentration value of 0.1% by weight in Homogeneous Materials for lead, mercury, hexavalent chromium, polybrominated biphenyls (PBBs) and polybrominated diphenyl ethers (PBDEs) and of 0.01% by weight in Homogeneous Materials for cadmium; or (ii) fall within any of the application exemptions set forth in the Annex to the RoHS Directive (Directive 2011/65/EC of the European Parliament and of the Council of 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment). "Homogeneous Material" means a material of uniform composition that cannot be mechanically disjointed (meaning separated, in principle, by mechanical actions such as unscrewing, cutting, crushing, grinding and/or abrasive processes) into different materials. Examples of "Homogeneous Materials" would be individual types of plastics, ceramics, glass, metals, alloys, paper, board, resins and coatings.

⁴ Standard limited warranty applies. The warranty brochure can be viewed online at <http://storage.toshiba.com/consumer-hdd/warranty-info>.

⁵ Location of bottom mounting hole is different from product. For more information, please see the following page. <https://toshiba.semicon-storage.com/us/design-support/faq/storage-holes.html>

Product prices, specifications, configurations, colors, components, features, and availability are subject to change without notice.

Compatibility may vary depending on user's hardware configuration and operating system.

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