

Internal Hard Drives

X300 Performance Hard Drive

Level up your drive performance



14 TB 12 TB 10 TB 8 TB 6 TB 5 TB 4 TB

Color

Toshiba's X300 3.5" internal hard drive is designed for your professional or gaming PC - delivering reliable, large capacity, incredibly high-performance storage, made possible by a number of advanced features, including an ultra-high 256 MB or 128 MB buffer. It even features improved positional accuracy for stable recording. The X300 is available in capacities of up to 14 TB - ideal for PC gamers, graphic designers, and other users with demanding storage requirements.

Use for:

- Powerful desktop workstations
- All-in-one PCs
- Gaming computers
- High performance PCs
- Home media computers



- SATA 3.5" SATA Hard Drive
- RPM 7200 rpm
- 128/256 MB buffer
- Toshiba Dynamic Cache Technology
- Toshiba Stable Platter Technology

Manual

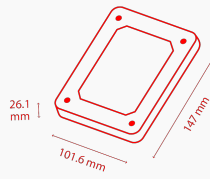
[Toshiba Installation and Safety.pdf](#)

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	256 MB (10 TB - 14 TB), 128 MB (4 TB - 8 TB)
Average latency	4.17 ms
Native Command Queing (NCQ)	Supported

Reliability

MTTF	600,000 hours
Unrecoverable error rate	1 per 10E14 bits read

Power Management

Supply voltage	5VDC ($\pm 5\%$) / 12VDC ($\pm 5\%$)
Consumption (operating)	6.77 W typ. (12 TB, 14 TB), 9.92 W typ. (10 TB), 9.2 W typ. (8 TB), 11.3 W typ. (4 TB - 6 TB)
Consumption - Active Idle	4.54 W typ. (12 TB, 14 TB), 7.22 W typ. (10 TB), 6.2 W typ. (8 TB), 7.5 W typ. (4 TB - 6 TB)

Environmental

Temperature (operating / non-operating)	5 to 60° C / -40 to 70 °C
Vibration (operating)	0.75 G (5 to 300 Hz) 0.25 G (300 to 500 Hz)
Vibration (non-operating)	3.0 G (5 to 500Hz) (10 TB - 14 TB), 5.0 G (5 to 500Hz) or less (4 TB - 8 TB)
Shock (operating)	70 G / 2 ms duration
Shock (non-operating)	250 G / 2 ms duration (8 TB - 14 TB), 300 G / 2 ms duration (4 TB - 6 TB)
Acoustics (idle mode)	20 dB Typ. (12 TB, 14 TB), 34 dB typ. (6 TB, 10 TB), 33 dB typ. (8 TB), 31 dB typ. (4 TB, 5 TB)

Physical

Dimensions	147 (L) x 101.6 (W) x 26.1 (H) mm
Weight (approx.)	770 g max. (6 TB - 10 TB), 720 g max. (4 TB, 5 TB, 12 TB, 14 TB)

Box Content

Box Content	3.5-inch internal HDD - X300 Performance Hard Drive
--------------------	--

Product Range

Part number	Capacity	Color
HDWR21EEZSTA (Retail)	14 TB	-
HDWR21EUZSVA (Bulk)	14 TB	-
HDWR21CEZSTA (Retail)	12 TB	-
HDWR21CUZSVA (Bulk)	12 TB	-
HDWR11AEZSTA (Retail)	10 TB	-
HDWR11AUZSVA (Bulk)	10 TB	-
HDWF180EZSTA (Retail)	8 TB	-
HDWF180UZSVA (Bulk)	8 TB	-
HDWE160EZSTA (Retail)	6 TB	-
HDWF160UZSVA (Bulk)	6 TB	-
HDWE150EZSTA (Retail)	5 TB	-
HDWF150UZSVA (Bulk)	5 TB	-
HDWE140EZSTA (Retail)	4 TB	-
HDWF140UZSVA (Bulk)	4 TB	-

Logistical Information:

Box dimensions	189.0 mm (H) x 136.0 mm (W) x 60.0 mm (D)
Box weight (gross)	915 g max.
Master carton dimensions	265 x 150 x 210mm
Master carton weight (gross)	3914 g max.
Boxes per master carton	4 pcs
Pallet dimensions	1150 x 1150 x 130 mm
Pallet weights (net)	n/A
Units per pallet	480 pcs
Units per carton	20 pcs.
Carton dimensions	410 x 308 x 228 mm, 486 x 296 x 200 mm (12TB, 14TB)
Carton weight (gross)	17 kg (typ.), 16 kg (typ.) (4TB, 5TB)
Units per pallet	600 pcs.

Contact

Toshiba Electronics Europe GmbH

Hansaallee 181
40549 Düsseldorf
Germany