PC

X300 Performance Hard Drive

Level up your drive performance



16 TB | 14 TB | 12 TB | 10 TB | 8 TB | 6 TB | 4 TB

Color

EMEA Region, Toshiba Storage Solutions – The 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-high512 MB or 256 MB buffer. It even features improved positional accuracy for stable recording. The X300 is available in capacities of up to16 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
- 256/512 MB buffer
- Toshiba Dynamic Cache Technology
- Toshiba Stable Platter Technology

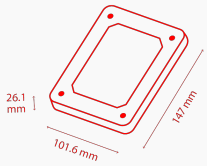
Manual

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

Performance

Rotational speed	7,200 rpm
Buffer size	512 MB (14 TB, 16 TB) 256 MB (4 TB - 12 TB)
Average latency	4.17 ms
Native Command Queing (NCQ)	supported

Reliability

MTTF	600,000 hours
Unrecoverable error rate	1 per 10^{14} bits read

Power Management

Supply voltage	5VDC (+10%/-7%) / 12VDC (±10%) (14 TB, 16 TB), 5VDC (±5%) / 12VDC (±10%) (4TB, 12 TB), 5VDC (+10%/-5%) / 12VDC (±10%) (6 TB, 8 TB, 10 TB)
Consumption (operating)	6.91 W typ. (14 TB, 16 TB), 6.77 W typ. (12 TB), 9.48 W typ. (10 TB), 8.41 W typ. (8 TB), 7.72 W typ. (6 TB), 6.81 W typ. (4 TB)
Consumption - Active Idle	4.03 W typ. (14 TB, 16 TB), 4.54 W typ. (12 TB), 7.22 W typ. (10 TB), 5.61 W typ. (8 TB), 4.93 W typ. (6 TB), 4.00 W typ. (4 TB)

Box Content

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

Physical

Weight (approx.)	693 g max. (4 TB), 700 g max. (6 TB), 770 g max. (10 TB), 720 g max. (8 TB, 12 TB, 14 TB, 16 TB)
Dimensions	147 (L) x 101.6 (W) x 26.1 (H) mm

Environmental

Acoustics (idle mode)	20 dB typ. (12 TB - 16 TB), 34 dB typ. (10 TB), 31 dB typ. (4 TB, 6 TB, 8 TB)
Shock (non-operating)	2450 m/s2 (250 G) / 2 ms duration (6 TB - 16 TB) 2940 m/s2 (300 G) / 2 ms duration (4 TB)
Shock (operating)	10 TB - 16 TB: 686 m/s2 (70 G) / 2 ms duration 6 TB - 8 TB: 784 m/s2 {70G} (2 ms duration) 4 TB: 784 m/s2 {80 G} (2 ms duration)
Vibration (non-operating)	29.4 m/s2 (3.0 G) (5 to 500Hz)
Vibration (operating)	10 TB - 16 TB: 7.35 m/s2 (0.75 G) (5 to 300 Hz) 2.45 m/s2 (0.25 G) (300 to 500 Hz) 4 TB - 8 TB: 7.35 m/s2 (0.75 G) (2 to 300 Hz) 4.90 m/s2 (0.50 G) (300 to 350 Hz) 2.45 m/s2 (0.25 G) (350 to 500 Hz)

Product Range

Part number	Capacity	Color
HDWR31GUZSVA (Bulk)	16 TB	-
HDWR31EEZSTA (Retail)	14 TB	-
HDWR31EUZSVA (Bulk)	14 TB	-
HDWR21CEZSTA (Retail)	12 TB	-
HDWR21CUZSVA (Bulk)	12 TB	-
HDWR11AEZSTA (Retail)	10 TB	-
HDWR11AUZSVA (Bulk)	10 TB	-
HDWR480EZSTA (Retail)	8 TB	-
HDWR480UZSVA (Bulk)	8 TB	-
HDWR460EZSTA (Retail)	6 TB	-
HDWR460UZSVA (Bulk)	6 TB	-
HDWR440EZSTA (Retail)	4 TB	-
HDWR440UZSVA (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 (4 TB - 10 TB) 500 x 310 x 228 mm (12 TB - 16TB)
Carton weight (gross)	17 kg (typ.), 16 kg (typ.) (4TB)
Units per pallet	600 pcs.

Contact

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