

TOSHIBA



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X300 Performance Hard Drives




Level up your drive performance

This 3.5-inch 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 512 MB buffer. It even features improved positional accuracy for stable recording. The X300 is ideal for PC gamers, graphic designers, and other users with demanding storage requirement.

Use for

- Powerful Desktop Workstations
- All-in-one PCs
- Gaming computers
- Home Media computers

Top Features

- SATA 3.5" SATA Hard Drive
- RPM 7,200 rpm
-  512 MB buffer | 256 MB buffer (12 TB)
-  Toshiba Stable Platter Technology
-  Toshiba Dynamic Cache Technology

Capacities

18	16	14	12
TB	TB	TB	TB
10	8	6	4
TB	TB	TB	TB



X300

 Performance Hard Drives

	18 TB	16 TB	14 TB	12 TB	10 TB	8 TB	6 TB	4 TB
Retail Number	-	-	HDWR51EEZSTA	HDWR21CEZSTA	HDWR71AEZSTA	HDWR780EZSTA	HDWR760EZSTA	HDWR740EZSTA
Bulk Number	HDWR51JUZSVA	HDWR51GUZSVA	HDWR51EUZSVA	HDWR21CUZSVA	HDWR71AUZSVA	HDWR780UZSVA	HDWR760UZSVA	HDWR740UZSVA

Basic Specifications

Form factor	3.5-inch
Interface	SATA 6.0 Gbit/s
Recording Technology	CMR
Native command queuing (NCQ)	supported
Shock Sensor	yes
Advanced Format (AF)	yes
RoHS compatible	yes
Halogen free	yes

Performance

Rotational speed (rpm)	7,200
Buffer size (MB)	512
Average latency (ms)	4.17

Reliability

MTTF (hours)	600,000
Unrecoverable error rate	1 per 10 ¹⁴
Limited warranty (years)	2

Power Management

Supply voltage	5 VDC +10 %/-7 % 12 VDC ±10 %			5 VDC ±5 % 12 VDC ±10 %				
Consumption (operating)	7.48 W typ.	7.48 W typ.	7.38 W typ.	6.77 W typ.	9.07 W typ.	8.19 W typ.	7.43 W typ.	6.75 W typ.
Consumption (active idle)	4.14 W typ.	4.14 W typ.	3.77 W typ.	4.54 W typ.	5.74 W typ.	4.92 W typ.	4.14 W typ.	3.49 W typ.

Environmental

Temperature (operating/ non-operating)	5 to 60 °C -40 to 70 °C	5 to 55 °C -40 to 70 °C	5 to 60 °C -40 to 70 °C
Vibration (operating)	7.35 m/s ² (0.75 G) (5 to 300 Hz) 2.45 m/s ² (0.25 G)(300 to 500 Hz)		
Vibration (non-operating)	29.4 m/s ² {3.0 G} (5 to 500 Hz)		
Shock (operating)	686 m/s ² {70 G} (2 ms duration)		
Shock (non-operating)	2,450 m/s ² {250 G} (2 ms duration)		
Acoustics (idle mode)	20 dB typ.		34 dB typ.

Physical

Dimensions	147 (L) x 101.85 (W) x 26.1 (H) mm							
Weight	720 g	705 g	720 g	755 g	730 g	710 g	690 g	

Logistic Information – Retail Packaging

Box dimensions (L x W x H)	-	136 x 60 x 189 mm						
Master carton dimension (L x W x H)	-	265 x 150 x 210 mm						
Master carton weight (gross)	-	4 kg						3 kg
Boxes per master carton	-	4 pcs						
Units per pallet	-	480 pcs						
Pallet dimensions	-	1,120 x 1,060 x 1,200 mm						
Pallet weight	-	448 kg	455 kg	472 kg	460 kg	451 kg	441 kg	
Country of Origin	Philippines							