

# 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
-  Toshiba Stable Platter Technology
-  Toshiba Dynamic Cache Technology

#### Capacities

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



## X300



Performance Hard Drives

	20 TB	18 TB	16 TB	14 TB	12 TB	10 TB	8 TB	6 TB	4 TB	
Retail Number	-	-	-	HDWR51EEZSTA	HDWR51CEZSTA	HDWR71AEZSTA	HDWR780EZSTA	HDWR760EZSTA	HDWR740EZSTA	
Bulk Number	HDWR62AUZSVA	HDWR51JUZSVA	HDWR51GUZSVA	HDWR51EUZSVA	HDWR51CUZSVA	HDWR71AUZSVA	HDWR780UZSVA	HDWR760UZSVA	HDWR740UZSVA	
<b>Basic Specifications</b>										
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									
<b>Performance</b>										
Rotational speed (rpm)	7,200									
Buffer size (MB)	512									
Average latency (ms)	4.17									
<b>Reliability</b>										
MTTF (hours)	600,000									
Unrecoverable error rate	1 per 10 <sup>15</sup>	1 per 10 <sup>14</sup>				1 per 10 <sup>15</sup>				
Load/Unload cycles	300,000					600,000				
Limited warranty (years)	2									
<b>Power Management</b>										
Supply voltage	5 VDC +10 %/-7 % 12 VDC ±10 %									
Consumption (operating)	8.02 W typ.	7.48 W typ.	7.38 W typ.	6.85 W typ.	9.07 W typ.	8.19 W typ.	7.43 W typ.	6.75 W typ.	6.75 W typ.	
Consumption (active idle)	4.41 W typ.	4.14 W typ.	3.77 W typ.	3.30 W typ.	5.74 W typ.	4.92 W typ.	4.14 W typ.	3.49 W typ.	3.49 W typ.	
<b>Environmental</b>										
Temperature (operating/ non-operating)	5 to 60 °C -40 to 70 °C									
Vibration (operating)	7.35 m/s <sup>2</sup> (0.75 G) (5 to 300 Hz) 2.45 m/s <sup>2</sup> (0.25 G)(300 to 500 Hz)									
Vibration (non-operating)	29.4 m/s <sup>2</sup> {3.0 G} (5 to 500 Hz)									
Shock (operating)	490 m/s <sup>2</sup> {50 G} (2 ms duration)	686 m/s <sup>2</sup> {70 G} (2 ms duration)								
Shock (non-operating)	1,960 m/s <sup>2</sup> {200 G} (2 ms duration)	2,450 m/s <sup>2</sup> {250 G} (2 ms duration)								
Acoustics (idle mode)	20 dB typ.					34 dB typ.				
<b>Physical</b>										
Dimensions	147 (L) x 101.85 (W) x 26.1 (H) mm									
Weight	720 g			705 g	690 g	755 g	730 g	710 g	690 g	

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<b>Logistic Information (Retail Packaging)</b>									
Box dimensions	-			136 (L) x 60 (W) x 189 (H) mm					
Master carton dimension	-			265 (L) x 150 (W) x 210 (H) mm					
Master carton weight	-			4 kg	3 kg	4 kg		3 kg	
Boxes per master carton	-			4 pcs					
Units per pallet	-			480 pcs					
Pallet dimensions	-			1,120 (L) x 1,060 (W) x 1,200 (H) mm					
Pallet quantity per layer	-			96 pcs					
Number of layer	-			5 layer					
Pallet weight	-			448 kg	441 kg	472 kg	460 kg	451 kg	441 kg
<b>Logistic Information (Bulk)</b>									
Master carton quantity	20 pcs								
Master carton size	476 (L) x 285 (W) x 228 (H) mm	500 (L) x 310 (W) x 228 (H) mm			410 (L) x 308 (W) x 228 (H) mm				
Master carton weight	16 kg			15 kg		17 kg	16 kg		15 kg
Pallet quantity per layer	120 pcs								
Number of layer	5 layer								
Pallet quantity	600 pcs								
Pallet size	880 (L) x 990 (W) x 1,272 (H) mm	1,050 (L) x 910 (W) x 1,272 (H) mm			870 (L) x 970 (W) x 1,272 (H) mm				
Pallet weight	473 kg	478 kg	469 kg	460 kg	510 kg	495 kg	483 kg	471 kg	
Country of Origin	Philippines								