

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



	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
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 10^15	1 per 10^14				1 per 10^15			
Load/Unload cycles	300,000					600,000			
Limited warranty (years)	2								
Power Management									
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.
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.
Environmental									
Temperature (operating/ non-operating)	5 to 60 °C -40 to 70 °C								
Vibration (operating)	7.35 m/s2 (0.75 G) (5 to 300 Hz) 2.45 m/s2 (0.25 G)(300 to 500 Hz)								
Vibration (non-operating)	29.4 m/s2 {3.0 G} (5 to 500 Hz)								
Shock (operating)	490 m/s2 {50 G} (2 ms duration)	686 m/s2 {70 G} (2 ms duration)							
Shock (non-operating)	1,960 m/s2 {200 G} (2 ms duration)	2,450 m/s2 {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	690 g	755 g		730 g	710 g

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Logistic Information (Retail Packaging)									
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			
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
Logistic Information (Bulk)									
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	
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
Country of Origin	Philippines								