N300 NAS Hard Drive

Built for 24/7 reliability



16 14 12 10 8 4 6



EMEA Region, Toshiba Storage Solutions - The 3.5-inch N300 NAS Hard Drive offers unprecedented reliability for NAS and other high-performance storage systems. It is optimized to meet the reliability, endurance, performance and scalability requirements of 24-hour x 7-day high-capacity storage for personal, home office and small business use. The N300 is available in capacities of up to16 TB.

- Network Attached Storage (NAS)
- · Desktop RAID and servers
- Multimedia server storage
- Private cloud storage
- Small business server and storage



3.5" SATA Hard Drive

7200 rpm

256/512 MB buffer

24/7 operation 24/7

6666 Supports 1-to-8 bay NAS

High reliability and enhanced real-time 0 performance

Toshiba Dynamic Cache Technology

(°) Toshiba Stable Platter Technology

High-endurance design

Error recovery control

Temperature control

3-year warranty

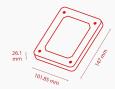
Manual

Installation-and-Safety-Internal-HDDs.pdf 😃





Product Specifications



Basic Specifications		Box Content	
Form factor	3.5-inch	Box Content	3.5-inch internal hard drive - N300 NAS Hard Drive
Interface	SATA 6.0 Gbit/s	Discontinuit	
Drive bays supported	1 to 8	Physical	
Rotational Vibration (RV) Sensors	yes	Weight (approx.)	693 g max. (4 TB), 700 g max. (6 TB),
Advanced Format (AF)	yes		770 g max. (10 TB), 720 g max. (8 TB, 12 TB - 16 TB)
RoHS compatible	yes	Dimensions	147 (L) x 101.85 (W) x 26.1 (H) mm
Halogen Free	Yes	Environmental	
Shock Sensor	yes	Environmental	
Performance		Acoustics (idle mode)	20 dB typ. (12 TB - 16 TB), 34 dB typ. (10 TB), 31 dB typ. (4 TB - 8 TB)
Rotational speed	7,200 rpm	Shock (non-operating)	2450 m/s² (250 G) / 2 ms duration
Buffer size	512 MB (16 TB, 14 TB),	Shock (operating)	686 m/s² (70 G) / 2 ms duration
	256 MB (4 TB - 12 TB) 274 MB/s typ. (16 TB),	Vibration (non-operating)	29.4 m/s2 (3.0 G) (5 to 500Hz)
Data transfer speed	214 Mb/s typ. (10 TB), 260 MB/s typ. (12 TB), 253 MB/s typ. (12 TB), 248 MB/s Typ. (10 TB), 248 MB/s Typ. (8 TB), 239 MB/s Typ. (6 TB), 232 MB/s Typ. (4 TB)	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)
Average latency	4.17 ms	Temperature (operating / non-	0 to 65° C / -40 to 70°C (10 TB, 14 TB, 16 TB)
Native Command Queing (NCQ)	supported	operating)	5 to 65° C / -40 to 70°C (4 TB - 8 TB, 12 TB)
Reliability		Power Management	
Workloads	180 TB/year	Consumption - Active Idle	4.03 W typ. (16 TB, 14 TB)
MTTF	1,200,000 hours (16 TB, 14 TB) / 1,000,000 hours		4.28 W typ. (12 TB), 7.22 W typ. (10 TB),
Unrecoverable error rate	1 per 1014 bits read (10 TB - 16 TB), 1 per 1015 bits read (4 TB - 8 TB)		5.61 W typ. (8 TB), 4.93 W typ. (6 TB), 4.04 W typ. (4 TB)
24/7 operation	yes		
Limited warranty	3 years		
Power Management			

5VDC (+10%/-7%) / 12VDC (±10%) (16 TB, 14 TB)

5VDC (+10%/-5%) / 12VDC (±10%) (6 TB - 10 TB) 5VDC (±5%) / 12VDC (±10%) (4 TB, 12 TB)

Supply voltage

Product Range

Part number	Capacity	Color
HDWG31GUZSVA (Bulk)	16 TB	-
HDWG31EEZSTA (Retail)	14 TB	-
HDWG31EUZSVA (Bulk)	14 TB	-
HDWG21CEZSTA (Retail)	12 TB	-
HDWG21CUZSVA(Bulk)	12 TB	-
HDWG11AEZSTA (Retail)	10 TB	-
HDWG11AUZSVA (Bulk)	10 TB	-
HDWG480EZSTA (Retail)	8 TB	-
HDWG480UZSVA (Bulk)	8 TB	-
HDWG460EZSTA (Retail)	6 TB	-
HDWG460UZSVA (Bulk)	6 TB	-
HDWG440EZSTA (Retail)	4 TB	-
HDWG440UZSVA (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 210 mm

Master carton weight (gross) 3914 g max.

Boxes per master carton 4 pcs

Pallet dimensions 1150 x 1150 x 130 mm

Pallet weight (net) n/A
Units per pallet 480 pcs
Units per carton 20 pcs.

Carton dimensions 500 x 310 x 228 mm (12 TB - 16 TB), 410 x 308 x 228 mm (4 TB - 10 TB)

Carton weight (gross) 17 kg (typ.), 16 kg (typ.) (4TB)

Units per pallet 600 pcs.

Contact

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