

Internal Hard Drives

N300

Built for 24/7 reliability



10 8 6 4
TB TB TB TB

Color

Toshiba's 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 to 10 TB.

Use for:

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



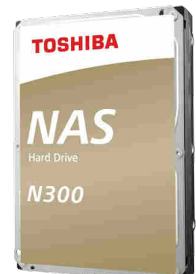
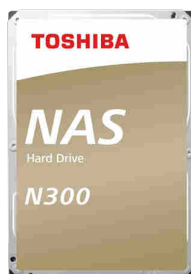
- SATA** 3.5" SATA Hard Drive
- RPM** 7200 rpm
- 128/256 MB buffer
- Supports 1-to-8 bay NAS
- High reliability and enhanced real-time performance
- Toshiba Dynamic Cache Technology
- Toshiba Stable Platter Technology
- Perfect for: Personal, home office and small business use
- Temperature control
- 3-year warranty
- 24/7 operation
- Error recovery control

Manual

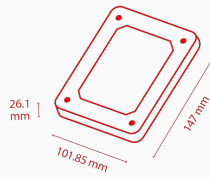
[Toshiba Installation and Safety.pdf](#)

Tools

[TOSHIBA Storage Diagnostic Tool.zip](#)



Product Specifications



Basic Specifications

Form factor	3.5-inch
Interface	SATA 6.0 Gbit/s
Drive bays supported	1 to 8
Rotational Vibration (RV) Sensors	Yes
Advanced Format (AF)	Yes
RoHS compatible	Yes
Halogen Free	Yes
Shock Sensor	Yes

Performance

Rotational speed	7,200 rpm
Buffer size	256 MB (10 TB), 128 MB (4 TB - 8 TB)
Data transfer speed	248 MB/s (10 TB), 241 MB/s (6 TB, 8 TB), 204 MB/s (4 TB)
Average latency	4.17 ms
Native Command Queing (NCQ)	supported

Reliability

Workloads	180 TB/year
MTTF	1,000,000 hours
Unrecoverable error rate	1 per 10E14 bits read

24/7 operation	Yes
Limited warranty	3 years

Power Management

Supply voltage	5VDC ($\pm 5\%$) / 12VDC ($\pm 10\%$)
Consumption (operating)	9.48 W typ. (10 TB), 9.2 W typ. (8 TB), 10.1 W typ. (6 TB), 9.6 W typ. (4 TB)
Consumption - Active Idle	7.15 W typ (10 TB), 6.2 W typ. (8 TB), 6.7 W typ. (6 TB), 5.2 W typ. (4 TB)

Environmental

Temperature (operating / non-operating)	0 to 65° C / -40 to 70 °C
Vibration (operating)	0.75 G (5 to 300 Hz) 0.25 G (300 to 500 Hz) or less
Vibration (non-operating)	3 G (5 to 500Hz) (10 TB), 5 G (5 to 500Hz) or less (4 TB - 8 TB)
Shock (operating)	70 G / 2 ms duration
Shock (non-operating)	250 G / 2 ms duration
Acoustics (idle mode)	34 dB typ. (10 TB), 33 dB typ. (6 TB, 8 TB), 30 dB typ. (4 TB)
Acoustics (seek mode)	35 dB typ. (6 TB, 8 TB), 34 dB typ. (4 TB)

Physical

Dimensions	147 (L) x 101.85 (W) x 26.1 (H) mm
Weight (approx.)	770 g max. (6 TB - 10 TB), 720 g max. (4 TB)

Box Content

Box Content	3.5-inch internal hard drive - N300 NAS Hard Drive
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Product Range

Part number	Capacity	Color
HDWG11AEZSTA (Retail)	10 TB	-
HDWG11AUZSVA (Bulk)	10 TB	-
HDWN180EZSTA (Retail)	8 TB	-
HDWN180UZSVA (Bulk)	8 TB	-
HDWN160EZSTA (Retail)	6 TB	-
HDWN160UZSVA (Bulk)	6 TB	-
HDWQ140EZSTA (Retail)	4 TB	-
HDWQ140UZSVA (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	n/a
Units per pallet	480 pcs

Contact

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