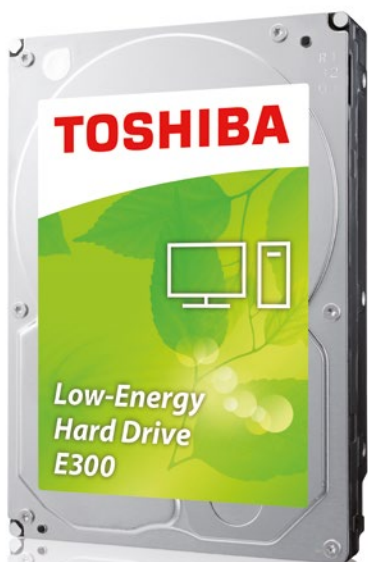




Low-energy, efficient storage

E300 - Low-Energy Hard Drive



Toshiba's E300 3.5" internal hard drive is designed for your desktop PC – offering energy-efficient local or networked storage for everyday requirements, in capacities of up to 3 TB. The E300's reliable performance comes from the many technologies at work inside – a dual-stage actuator and RV sensor improve positional accuracy to reduce interruptions caused by vibrations, while Perpendicular Magnetic Recording and Tunnel Magneto-Resistive technologies ensure stable recording that makes the most of your hard drive space. The E300 also ensures data is stored safely; ramp loading technology prevents damage on the move, and a shock sensor keeping your stored media secure and intact. Despite the many features of the E300, it remains cool and quiet during operation, reducing power consumption – and putting the renowned efficiency and reliability of Toshiba technology to work in your desktop PC.

Target devices: Desktop PCs, All-in-one PCs, Secondary storage, Workstations
Target applications: Everyday applications, system enhancement



Performance alongside efficiency
The E300's dual-stage actuator and RV sensor improve positional accuracy and the performance of the hard drive.



Low temperature, low noise
Built-in silent operation technology ensures that the E300 operates quietly. Low RPM also reduces the generation of heat during operation.



Low power consumption
When compared to 7200 rpm hard drive models, the E300 cuts power consumption by up to 25%.

E300 - Low-Energy Hard Drive

Specifications

Part number:	E300 - Low-Energy Hard Drive, 3 TB: HDWA130EZSTA (Retail), HDWA130UZSVA (Bulk) E300 - Low-Energy Hard Drive, 2 TB: HDWA120EZSTA (Retail), HDWA120UZSVA (Bulk)
Form factor:	3.5-inch
Interface:	SATA 6.0 Gbit/s
Available capacities:	2 TB, 3 TB
Advanced Format (AF):	yes
RoHS compatible:	yes
Halogen Free:	yes
Performance	
Rotational speed:	5940 rpm (3 TB), 5700 (2 TB)
Buffer size:	64 MB
Average latency:	5.06 ms (3 TB), 5.27 ms (2 TB)
Native Command Queuing (NCQ):	supported
Reliability	
Unrecoverable error rate:	1 per 10E14 bits read
Power Management	
Supply voltage:	5VDC (±5 %) / 12VDC (±10 %)
Consumption - Read/Write:	4.7 W typ. (2 TB), 5.4 W typ. (3 TB)
Consumption - Low Power Idle:	3.3 W typ. (2 TB), 4.2 W typ. (3 TB)
Environmental	
Temperature (operating):	0 to 60 °C
Temperature (non-operating):	-40 to 70 °C
Vibration (operating):	6.57 m/s ² {0.67 G} (5 to 500 Hz)
Vibration (non-operating):	10.2 m/s ² {1.04 G} (2 to 200 Hz)
Shock (operating):	686 m/s ² {70 G} (2 ms half sine)
Shock (non-operating):	2,920 m/s ² {350 G} (2 ms half sine) (2 TB & 3 TB)
Acoustics (idle mode):	25 dB typ. (3 TB), 23 dB typ. (2 TB)
Acoustics (seek mode):	26 dB typ. (3 TB), 25 dB typ. (2 TB)
Physical	
Dimensions:	147 (L) x 101.6 (W) x 26.1 (H) mm
Weight:	680 g max.

Box Content

- 3.5-inch internal HDD - E300 Low-Energy Hard Drive
- Quick Start Guide
- Warranty Leaflet



Top features:

- Eco-friendly performance
- Silent operation
- Efficient power management
- Data protection technology

Retail packaging

