

TOSHIBA



STORAGE SOLUTIONS
HARD DISK DRIVES
FOR PROFESSIONAL &
PERSONAL USE



The right hard disk drive for every mission

No storage requirement is the same. On our journeys, we generate an increased amount of data, day in, day out.

Be it for private or professional use, server-based storage, video surveillance, gaming or stylish mobile solutions, Toshiba delivers the right hard disk drives for a variety of storage needs.

Toshiba's external storage product range is categorized into different classes - Standard, Advanced, Premium and Specialty - addressing the individual requirements of users and helping them to find the perfect fit for their storage needs, whether it's a solution for simple plug-and-play operation, gaming or cross-platform use for smartphones, tablets, Macs and Windows PCs.

Toshiba's internal HDDs are divided into application areas for private and professional use, including NAS, surveillance and high-performance drives. Additionally, the extensive line-up of Enterprise storage solutions meets highest requirements to support business- and mission-critical applications.

For over 50 years Toshiba has been developing and delivering high-quality hard disk drives to the market. View the current portfolio on the following pages and find your perfect storage solution. Everything is possible - with the right partner and hard disk drive.



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External HDDs

Storage is one of the most vital components of our ever-expanding digital lifestyles. In order to suit various demands, Toshiba offers a custom-designed range of external storage products to simplify your everyday life. Whether you are looking for a hard drive with auto-backup software for your laptop or PC, or a safe place for your blogging content from your smartphone or tablet - with Toshiba you will find the right solution.

Our external storage product line-up is categorized according to features. With clear colour codings and shopping guides, customers immediately know which products best meet their requirements.



Canvio Flex



Canvio Gaming



Canvio Advance (4 colours)



Canvio Slim (2 colours)

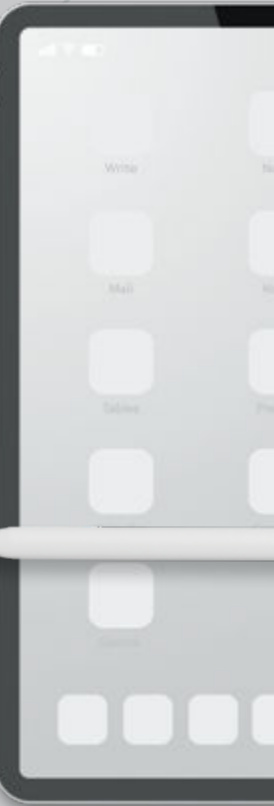


Canvio Basics



Canvio Ready

External HDDs





Canvio Flex

Smart storage. Made to adapt.

One drive. Many devices.

The Canvio Flex offers storage in its most compatible form, enabling you to seamlessly store and access your data on smartphones, tablet devices, Macs and Windows PCs* interchangeably with a simple one-stop solution.



Part No.:

- HDTX240ESCCA – 4 TB – Silver
- HDTX220ESCAA – 2 TB – Silver
- HDTX210ESCAA – 1 TB – Silver
- HDTX240EPCCA – 4 TB – Blue
- HDTX220EPCAA – 2 TB – Blue
- HDTX210EPCAA – 1 TB – Blue



View more



Compatibility

SPECIALTY
TOSHIBA

2.5" 2.5" External Hard Drive

Elegant warm silver or metallic blue finish

SuperSpeed USB 3.2 Gen 1 port

USB-powered

Includes USB Type-C® and USB Type-A cable

Compatible with smartphones / tablets / Macs / Windows PCs*

3-year warranty

*Please check device compatibility



Colour



Capacities

4 TB | 2 TB
1 TB



Canvio Gaming

Level up your storage.

More games. More wins.

With the Canvio Gaming portable hard drive, you won't have to worry about deleting games to make room for the hottest new release. The sleek, lightweight design allows you to hold up to 100 games** in an easy to carry lightweight casing. Offering up to 4 TB of storage capacity for your data, your gaming library has room to grow.



SPECIALTY
TOSHIBA

2.5" 2.5" External Hard Drive

Sleek dark grey metallic finish

SuperSpeed USB 3.2 Gen 1 port

USB-powered

Works with PlayStation / Xbox / PC

Store up to 25+ games per TB**



Colour



Capacities

4 TB | 2 TB
1 TB

Part No.:

- HDTX240EK3CA – 4 TB
- HDTX220EK3AA – 2 TB
- HDTX210EK3AA – 1 TB



View more



Compatibility

** Average game size: 36 GB



Canvio Slim

All of the room. None of the weight.

Stylish and elegant companion.

Up to 2 TB stored in a super slim and lightweight aluminium design, make this drive a stylish and elegant companion for any device, whether it is on your desk or on the move. With several useful features and a three-year product warranty, the Canvio Slim keeps your data well protected. Available in two different colours: silver or black, the Canvio Slim always suits the occasion.

Canvio Advance

Secured in style. Take life anywhere.

Modern design.

The Canvio Advance features a stylish, textured design in four trendy colours. You can choose from black, light beige, red and green based on your preference for up to 4 TB of mobile storage in the palm of your hand.

Canvio Ready

Ready to store. Simple to use.

A place for all your files.

The Canvio Ready is available in a range of different storage sizes up to 4 TB. So whatever your portable storage requirements, whether you're saving documents, photos, movies, or a combination, Canvio Ready provides the ideal, high-capacity solution in its distinctive two-tone matte and gloss black finish.

Canvio Basics

Storage made simple.

Your compact companion.

High capacity storage in a conveniently compact, matt black casing. Available in several capacity sizes up to 4 TB, Canvio Basics hard drives are perfect for storing data, music, movies, and pictures.



PREMIUM ★★★ TOSHIBA



2.5" 2.5" External Hard Drive

Aluminium finish

SuperSpeed USB 3.2 Gen 1 port

USB-powered

Auto-backup software

Password protection software

3-year warranty

Colours



Capacities

2 TB | 1 TB

Part No.:

- HDTD320EK3EA – 2 TB – Black
- HDTD310EK3DA – 1 TB – Black
- HDTD320ES3EA – 2 TB – Silver
- HDTD310ES3DA – 1 TB – Silver



View more

ADVANCED ★★ TOSHIBA



2.5" 2.5" External Hard Drive

Textured finish

SuperSpeed USB 3.2 Gen 1 port

USB-powered

Auto-backup software

Password protection software

Colours



Capacities

4 TB | 2 TB

1 TB

Part No.:

- HDTCA40EK3CA – 4 TB – Black
- HDTCA20EK3AA – 2 TB – Black
- HDTCA10EK3AA – 1 TB – Black
- HDTCA40ER3CA – 4 TB – Red
- HDTCA20ER3AA – 2 TB – Red
- HDTCA10ER3AA – 1 TB – Red
- HDTCA40EW3CA – 4 TB – White
- HDTCA20EW3AA – 2 TB – White
- HDTCA10EW3AA – 1 TB – White
- HDTCA40EG3CA – 4 TB – Green
- HDTCA20EG3AA – 2 TB – Green
- HDTCA10EG3AA – 1 TB – Green



View more

STANDARD ★ TOSHIBA



2.5" 2.5" External Hard Drive

Two-tone matte and gloss finish

SuperSpeed USB 3.2 Gen 1 port

USB-powered

Drag-and-drop use

Colour



Capacities

4 TB | 2 TB

1 TB

Part No.:

- HDTP340EK3CA – 4 TB
- HDTP320EK3AA – 2 TB
- HDTP310EK3AA – 1 TB



View more

STANDARD ★ TOSHIBA



2.5" 2.5" External Hard Drive

Matt finish

SuperSpeed USB 3.2 Gen 1 port

USB-powered

Plug-and-play operation

Colour



Capacities

4 TB | 2 TB

1 TB

Part No.:

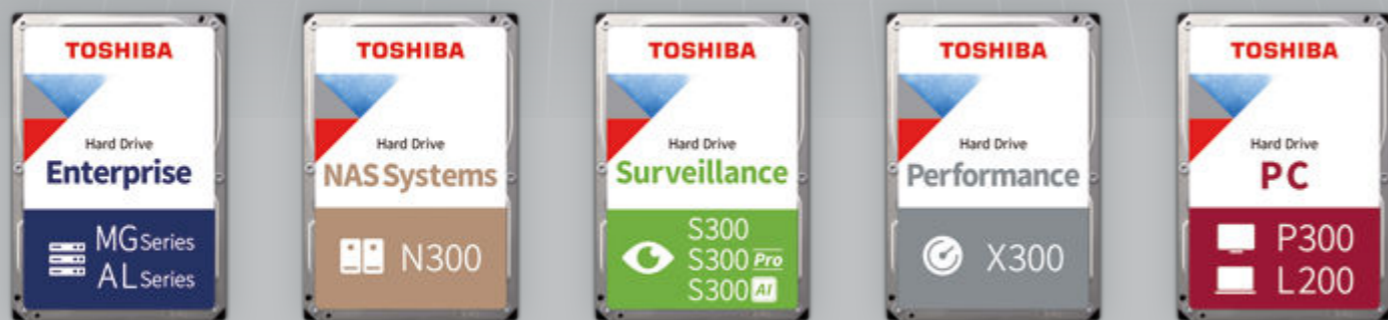
- HDTB540EK3CA – 4 TB
- HDTB520EK3AA – 2 TB
- HDTB510EK3AA – 1 TB



View more



The right drive for every storage task

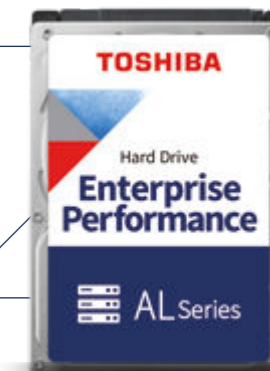


Internal Hard Disk Drives

Toshiba offers a broad range of internal hard drives to keep pace with the ever-growing specific requirements of data storage. Choose from a wide range of reliable hard drives that deliver innovative technology and best performance and are tailored to your storage needs. Targeting different application areas such as NAS, Surveillance, Gaming, PC, Laptop, and Enterprise storage, Toshiba provides the highest standards to support your personal and business missions.

Enterprise Performance HDDs

Toshiba's Enterprise Performance Hard Drive – AL Series delivers high storage densities with rapid data transfer speed, backed up by a 5-year warranty. You can trust the AL Series to deliver day in and day out, 24/7, even in the most demanding high-performance server and storage systems. Especially when traffic is high, the hard drives have the speed needed to perform simultaneous transactions smoothly and efficiently. Additionally, proprietary provide the assurance that your data will stay in safe hands.



AL Series

Enterprise Performance HDD

Use for:

- Mission-Critical Enterprise Server and Storage Systems
- Business Database Server with High Workloads
- Big Data Analytics
- Virtualized Storage Systems

Part No.:

- see Model Number



View more

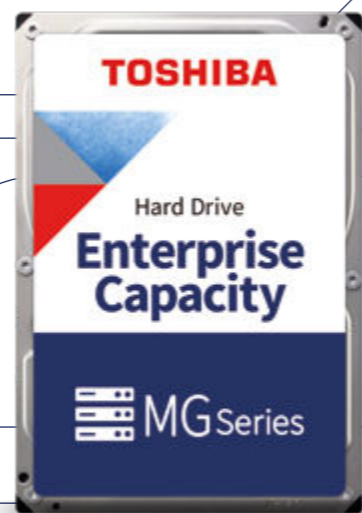
SAS	2.5" SAS Hard Drive	Capacities
24/7	24/7 operation	2,400 GB
	Unlimited workload (TB/year)	1,800 GB
MTTF	MTTF of 2 mill. hours	1,200 GB
	Persistent Write Cache Technology	900 GB
	Flexibility in block size and SIE and SED options	600 GB
	5-year warranty	300 GB

Model Number	Specification							Performance		Reliability
	Fill Gas & Recording	Capacity (GB)	Block Size (Byte)	Spindle Speed (RPM)	Buffer Size (MiByte)	Interface	Security Options	Data Rate (sustained) (MB/s)	Operating Power (W) typ.	Unrecoverable Error Rate
Highest Performance HDD (15k rpm) for Servers – Business Database, Online Transaction, High Performance Computing										
AL14SXB30EN	Air CMR	300	512n	15,000	128	SAS 12 Gbit/s	SIE/SED	272	9.0	1 in 10 ¹⁶
AL14SXB60EN		600								
AL14SXB90EN		900								
AL14SXB30EE		300	512e	15,000	128	SAS 12 Gbit/s	SIE/SED	304	9.0	1 in 10 ¹⁶
AL14SXB60EE		600								
AL14SXB90EE		900								
AL14SXB30EA		300	4Kn	15,000	128	SAS 12 Gbit/s	SIE/SED	304	9.0	1 in 10 ¹⁶
AL14SXB60EA		600								
AL14SXB90EA		900								
Performance HDD (10k rpm) for Servers and Storage – Mission Critical Business Database and High Performance Storages										
AL15SEB030N	Air CMR	300	512n	10,500	128	SAS 12 Gbit/s	SIE/SED	236	6.5	1 in 10 ¹⁶
AL15SEB060N		600								
AL15SEB090N		900								
AL15SEB120N		1,200	512e	10,500	128	SAS 12 Gbit/s	SIE/SED	245	7.0	1 in 10 ¹⁶
AL15SEB06EQ		600								
AL15SEB09EQ		900								
AL15SEB12EQ		1,200	4Kn	10,500	128	SAS 12 Gbit/s	SIE/SED	273	7.0	1 in 10 ¹⁶
AL15SEB18EQ		1,800								
AL15SEB24EQ		2,400								
AL15SEB06EP		600	4Kn	10,500	128	SAS 12 Gbit/s	SIE/SED	273	6.5	1 in 10 ¹⁶
AL15SEB09EP		900								
AL15SEB12EP		1,200								
AL15SEB18EP		1,800								
AL15SEB24EP		2,400								

Enterprise Capacity HDDs

Toshiba's Enterprise Capacity Hard Drive – MG Series offers formatted capacities as high as 24 TB with interface options including SATA and SAS and delivers 24/7 operation at a workload of 550 TB/year. The MG Series is ideal for enterprise storage arrays and industrial server and storage systems. It provides the capacity and advanced technologies to meet the special demands of datacenters and cloud-scale infrastructures.

The Conventional Magnetic Recording (CMR) HDDs with capacities of 12 TB or higher use a helium-sealed design, providing the power-efficient capacity and storage density needed by cloud-scale and enterprise storage solution providers to achieve their TCO objectives. They also utilise Toshiba Group's laser welding technology to ensure the drive remains securely sealed inside the drive enclosure. The MG11 and MG10 Series feature a 10-disk platter design.



MG Series

Enterprise Capacity HDD



- Business Critical Enterprise Server and Storage Systems
- Enterprise Storage Arrays
- Cloud and Hyperscale Storage Systems
- Big Data, Distributed File Systems
- Enterprise Archive and Data
- Recovery Systems
- Industrial Server- and Storage Systems

Interface	Form Factor	Capacities
SATA/SAS	3.5" SATA or SAS Hard Drive	24 TB 22 TB
RPM	24/7 operation	20 TB 18 TB
Technology	Toshiba Stable Platter Technology	16 TB 14 TB
Cache	Persistent Write Cache Technology	12 TB 10 TB
Workload	550 TB/year workload	8 TB 6 TB
Block Size	Flexibility in block size and SIE and SED options	4 TB 2 TB
Warranty	5-year warranty	1 TB



Part No.:
• see Model Number

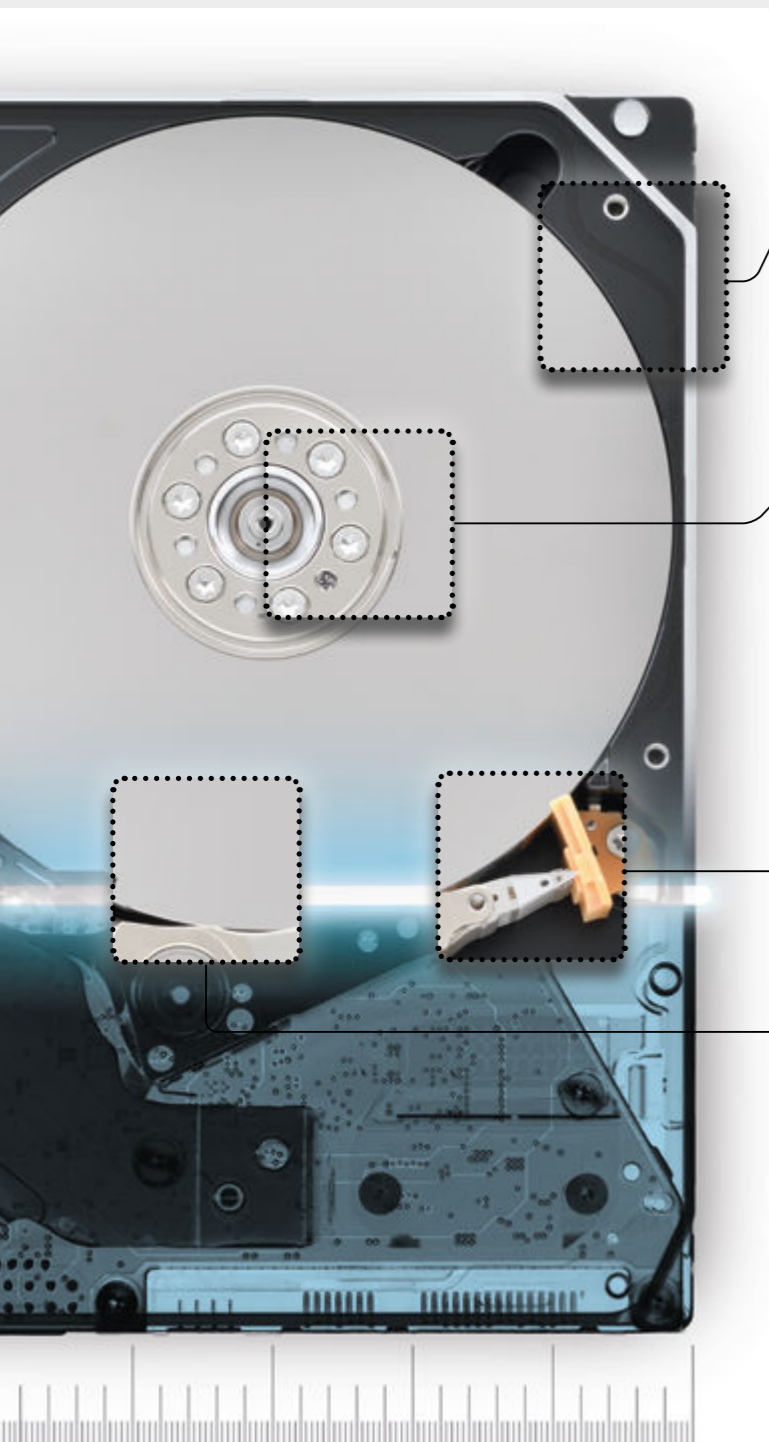
View more

Model Number	Specification						Performance		Reliability	
	Fill Gas & Recording	Capacity (GB)	Block Size (Byte)	Spindle Speed (RPM)	Buffer Size (MiByte)	Security Options	Data Rate (sustained) (MB/s)	Operating Power (W) typ.	MTTF (hrs)	Unrecoverable Error Rate
Enterprise Capacity HDD with SAS 12 Gbit/s Interface – Business Critical Storages with large capacity										
MG10SDA200N	Air CMR	2,000	512n	7,200	512	SIE/SED	204	8.7	2.0 mill.	1 in 10 ¹⁵
MG10SDA400N		4,000					239	9.6		
MG09SCA12TA	Helium MAMR	12,000	4Kn	7,200	512	SIE/SED	281	8.4	2.5 mill.	1 in 10 ¹⁵
MG09SCA14TA		14,000						8.9		
MG09SCA16TA		16,000						9.2		
MG09SCA18TA		18,000						9.2		
MG10SCA20TA		20,000						9.6		
MG10SDA200E	Air CMR	2,000	512e	7,200	512	SIE/SED	281	8.0	2.0 mill.	1 in 10 ¹⁵
MG10SDA400E	4,000	8.9								
MG10SDA600E	6,000	9.7								
MG10SDA800E	8,000	10.5								
MG10SDA10TE	10,000	11.3								
MG09SCA12TE	12,000	8.4								
MG09SCA14TE	14,000	8.9								
MG09SCA16TE	16,000	9.2								
MG09SCA18TE	18,000	9.2								
MG10SCA20TE	20,000	9.6								
MG11SCA14TE	Helium MAMR	14,000	512e	7,200	1024	SIE/SED	295	8.9	2.5 mill.	1 in 10 ¹⁵
MG11SCA16TE		16,000						8.9		
MG11SCA18TE		18,000						9.4		
MG11SCA20TE		20,000						9.6		
MG11SCA22TE		22,000						9.6		
MG11SCA24TE		24,000						9.6		
Enterprise Capacity HDD with SATA 6 Gbit/s Interface – Mainstream Server and Storage, Hyperscale- and Cloud Storage										
MG10ADA100N	Air CMR	1,000	512n	7,200	512	SIE/SED	221	7.6	2.0 mill.	1 in 10 ¹⁵
MG10ADA200N		2,000						8.3		
MG10ADA400N		4,000						9.3		
MG09ACA12TA	Helium MAMR	12,000	4Kn	7,200	512	SIE/SED	281	7.9	2.5 mill.	1 in 10 ¹⁵
MG09ACA14TA		14,000						8.5		
MG09ACA16TA		16,000						8.3		
MG09ACA18TA		18,000						8.3		
MG10ACA20TA		20,000						9.3		
MG10ADA200E	Air CMR	2,000	512e	7,200	512	SIE/SED	281	7.7	2.0 mill.	1 in 10 ¹⁵
MG10ADA400E	4,000	8.6								
MG10ADA600E	6,000	9.3								
MG10ADA800E	8,000	10.1								
MG10ADA10TE	10,000	11.0								
MG09ACA12TE	12,000	7.9								
MG09ACA14TE	14,000	8.5								
MG09ACA16TE	16,000	8.3								
MG09ACA18TE	18,000	8.3								
MG10ACA20TE	20,000	9.3								
MG11ACA14TE	Helium MAMR	14,000	512e	7,200	1024	SIE/SED	295	8.4	2.5 mill.	1 in 10 ¹⁵
MG11ACA16TE		16,000						8.4		
MG11ACA18TE		18,000						9.0		
MG11ACA20TE		20,000						9.2		
MG11ACA22TE		22,000						9.2		
MG11ACA24TE		24,000						9.2		

• A mebibyte (MiB) means 2²⁰, or 1,048,576 bytes. • SIE = Sanitize Instant Erase, SED = Self Encrypting Drives

Technology trends

Toshiba is renowned the world over for 50 years of leading innovation – and the power behind its hard drive solutions is no exception. Our enterprise-level developments meet the industry standards with proven reliability. Designed for high capacity and excellent performance, you can be sure that Toshiba’s wealth of experience in hard drives is at work in your storage system.



Laser sealed helium

The Toshiba HDDs with 12 TB or more use a helium-sealed design, providing the power-efficient capacity and storage density needed by cloud-scale and enterprise storage solution providers to achieve their TCO objectives. Toshiba’s laser welding technology ensures that the helium remains securely sealed inside the drive enclosure.

High reliability

Providing reliability for the ultimate peace of mind, Toshiba HDDs deliver up to 2.5M hours of MTTF, achieving an AFR (Annualized Failure Rate) in 24/7 operation of down to 0.35 % - at a rated workload as high as 550 TB/year.

Advanced HDD technology

Toshiba’s high capacity HDDs feature Flux Control Microwave Assisted Magnetic Recording (FC-MAMR) Technology – a breakthrough technology that uses microwave energy to ensure more of the write energy is focused into the platter, achieving an increased areal density capability (ADC) of up to 20 %.

Industry-leading 10-disk platter design

The Toshiba 20, 22 & 24 TB HDD feature a 10-disk platter design – achieving high storage density levels by stacking the maximum numbers of platters in the industry-leading 3.5” form factor.

NAS HDDs

Through its contact with NAS manufacturers, Toshiba recognizes the need for high-reliability disks in support of modern data storage and retrieval demands including streaming, backup and archiving. The N300, which can support multi-RAID systems with up to 12 HDDs, allows large volumes of data to be reliably stored and accessed by multiple clients 24 hours a day, 365 days a year.

The 3.5-inch internal hard disk offers unprecedented reliability for NAS and other high-performance storage systems. It is optimized to meet the reliability, endurance, performance, and scalability requirements of 24/7 high-capacity storage for personal, home office, and small business use. Its Toshiba NASLink™ Technology fine-tunes HDD behaviour for rapid data access and the firmware boosts RAID performance through optimized disk coordination.



N300

Elevate your data management.

Use for:

- NAS and Multimedia Server
- Desktop RAID and Server
- Private Cloud Storage
- Small Business Server and Storage



SATA	3.5" SATA Hard Drive	Capacities
RPM	7,200 rpm	22 TB 20 TB
	512 MB / 1024 MB buffer	18 TB 16 TB
24/7	24/7 operation	14 TB 12 TB
	Supports 1-to-8/1-to-12 bay NAS	10 TB 8 TB
	Toshiba NASLink™ Technology	6 TB 4 TB
	Toshiba Stable Platter Technology	
	High reliability and enhanced real-time performance	
	High-endurance design	
	3-year warranty	

Part No. (bulk):

- 22TB – MN11ACA22TS
- 20TB – MN11ACA20TS
- 18TB – MN11ACA18TS
- 16TB – MN11ACA16TS
- 14TB – MN11ACA14TS
- 12TB – HDWG51CUZSVA
- 10TB – MN10ADA10TS
- 8TB – MN10ADA800S
- 6TB – MN10ADA600S
- 4TB – MN10ADA400ES

Part No. (retail):

Please refer to page 18.



View more

Surveillance HDDs

Toshiba Surveillance Solutions

Fully supporting the requirements of today's surveillance storage market, Toshiba's expansive surveillance HDD line-up targets the increasing demand of small & medium businesses, professional & public and big data & analytics. Optimised for network video recorders (NVR), digital video recorders (DVR) or centralized backend storage.

Toshiba offers purpose built surveillance storage solutions targeting the different requirements of application areas in today's growing surveillance market. The drives provide stable 24/7 operation and are optimised for the needs of leading surveillance DVRs and NVRs.



View more

```
import java.io.PrintWriter;

public class GenerateDummyCode {
    public static void main(String[] args) {
        String className = "Eben";
        String newLine = "\n";
        String tab = "\t";
    }
}
```



S300 AI

Reliable. Scalable. AI-ready.



The Toshiba S300 AI Surveillance Hard Drive is designed for professional environments and large-scale surveillance infrastructures. Its firmware OptiFrame™ AI is optimized for AI-enhanced environments, ensuring smooth operation. Supporting up to 24 TB of storage, it can manage video feeds from up to 64 cameras while delivering real-time AI analytics on 32 simultaneous streams – all without dropping a single frame. Designed for nonstop operation, it ensures seamless capture and analysis of large data volumes – keeping your system responsive and reliable, even under a heavy load.

Use for:

- AI Video Analytics Server and Storage Systems
- Centralized Surveillance Data Storage Systems
- Video Archive and Data Recovery Systems
- Multi-Bay-RAID Storage for Surveillance Data

SATA	3.5" SATA Hard Drive	Capacities
RPM	7,200 rpm	24 TB 22 TB
	1024 MB buffer (24 14 TB) 512 MB buffer (10 8 TB)	20 TB 18 TB
	OptiFrame™ AI Technology	16 TB 14 TB
	Up to 64 video cameras	10 TB 8 TB
	Up to 32 AI streams	
	550 TB/year workload	
24/7	24/7 operation	
	5-year warranty	

Part No.:

- MG11ACA24TE-V – 24 TB
- MG11ACA22TE-V – 22 TB
- MG11ACA20TE-V – 20 TB
- MG11ACA18TE-V – 18 TB
- MG11ACA16TE-V – 16 TB
- MG11ACA14TE-V – 14 TB
- MG10ADA10TE-V – 10 TB
- MG10ADA800E-V – 8 TB



View more



S300 Pro

Built tougher to protect.



Elevate your security solutions with the Toshiba S300 Pro Surveillance Hard Drive. Engineered for relentless reliability, it offers up to a massive 10 TB storage capacity to capture and retain every critical moment for long periods with real-time object identification and face recognition. Accommodating up to 64 video cameras, it's ideal for comprehensive surveillance setups. Benefit from high-end drive performance that delivers superior video quality and seamless streaming.

Use for:

- Surveillance Digital Video Recorders (sDVR)
- Surveillance Network Video Recorders (sNVR)
- Hybrid sDVR (analog and IP)
- RAID Storage Arrays for Surveillance

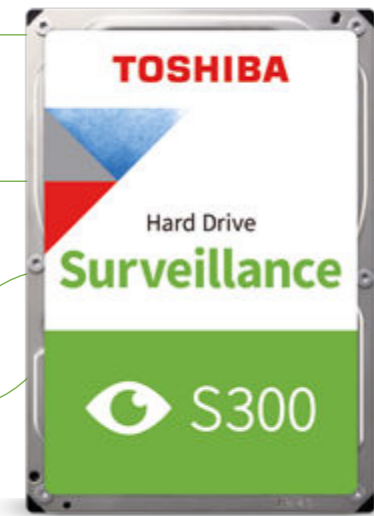
SATA	3.5" SATA Hard Drive	Capacities
RPM	7,200 rpm	10 TB 8 TB
	512 MB buffer	6 TB 4 TB
	Up to 64 cameras	
24/7	24/7 operation	
	5-year warranty	

Part No.:

- MD10ADA10TV – 10 TB
- MD10ADA800V – 8 TB
- MD10ADA600V – 6 TB
- MD10ADA400EV – 4 TB



View more



S300

Always on, always watching.



With surveillance systems, nothing but the best is good enough. The Toshiba 3.5-inch S300 is built to meet the highest demands. With support for up to 64 high-resolution surveillance video cameras simultaneously and up to 6 TB capacity, it brings everything into clear view. Each S300 is built with the highest quality components and has passed rigorous tests to ensure 24/7 reliability and performance. That's Toshiba quality you can trust under the harshest working conditions.

Use for:

- Surveillance Digital Video Recorders (sDVR)
- Surveillance Network Video Recorders (sNVR)
- Hybrid sDVR (analog and IP)

SATA	3.5" SATA Hard Drive	Capacities
RPM	5,400 rpm	6 TB 4 TB
	256 MB buffer (6 4 TB) 128 MB buffer (2 TB)	2 TB
	Up to 64 cameras	
24/7	24/7 operation	
	3-year warranty	

Part No.:

- HDWT860UZSVA – 6 TB
- HDWT840UZSVA – 4 TB
- HDWT720UZSVA – 2 TB



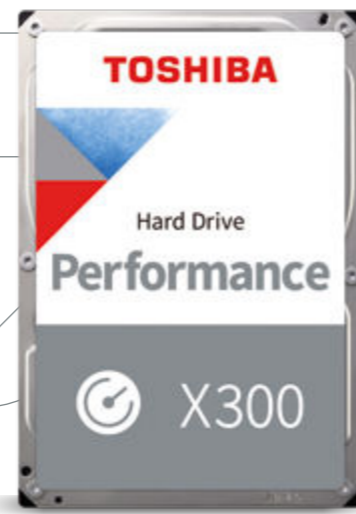
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PC Upgrade HDDs

Expand capacity, performance and hardware life

Discover how Toshiba hard drives enhance the PC experience – with a focus on performance, reliability and seamless integration into your IT and desktop solutions. From desktop workstations to gaming and laptop PCs and setups, the X300, P300 and L200 hard drive series offer fast speeds, stable read/write performance and durable construction to flexibly meet demanding requirements. Powerful storage solutions, long-term reliability, quiet and compatible hard drives – technologies for a wide range of applications.



X300



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

SATA	3.5" SATA Hard Drive	Capacities
RPM	7,200 rpm	20 TB 18 TB
	512 MB buffer	16 TB 14 TB
	Toshiba Stable Platter Technology	12 TB 10 TB
	Toshiba Dynamic Cache Technology	8 TB 6 TB
		4 TB

Part No. (bulk):

- HDWR62AUZSVA – 20 TB
- HDWR51JUZSVA – 18 TB
- HDWR51GUZSVA – 16 TB
- HDWR51EUZSVA – 14 TB
- HDWR51CUZSVA – 12 TB
- HDWR71AUZSVA – 10 TB
- HDWR780UZSVA – 8 TB
- HDWR760UZSVA – 6 TB
- HDWR740UZSVA – 4 TB

Part No. (retail):

Please refer to page 18.



View more

P300



Performance meets reliability.

The 3.5-inch P300 Desktop PC Hard Drive delivers high performance for everyday home or office computing needs. With its two-stage actuator, you can count on smooth, responsive processing power. In addition, your data and media are secured with a loading ramp design to prevent data loss or drive wear and tear. The P300 is available in capacities up to 6 TB.

Use for:

- Desktop Workstations
- All-in-one PCs
- Desktop PCs
- External enclosures

SATA	3.5" SATA Hard Drive	Capacities
RPM	5,400 rpm (6 4 TB) 7,200 rpm (2 TB)	6 TB 4 TB
	256 MB buffer (2 TB) 128 MB buffer (6 4 TB)	2 TB

Part No.:

- HDWD260UZSVA – 6 TB
- HDWD240UZSVA – 4 TB
- HDWD320UZSVA – 2 TB



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L200



Take your laptop to the next level.

This 2.5-inch internal hard drive is designed for everyday laptop users and gamers – and it's ideal for boosting and upgrading the storage capacity of your laptop PC or games console by up to 2 TB. Perpendicular Magnetic Recording and Tunnel Magneto-Resistive technologies also ensure fast, stable recording that makes the most of your hard drive space.

Use for:

- Notebooks
- Game consoles
- External enclosures

SATA	2.5" SATA Hard Drive	Capacities
RPM	5,400 rpm	2 TB 1 TB
	128 MB buffer	
	Toshiba Dynamic Cache Technology	








Part No.:

- HDWL120UZSVA – 2 TB
- HDWL110UZSVA – 1 TB



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Technical data

Model	Retail Number	Bulk Number	Capacity	Interface	RPM	Cache	Height	Recording Technology	RAID	24/7 Operation	Warranty (years)
N300 NAS Hard Drive 3.5"											
	-	MN11ACA22TS	22 TB	SATA 6 Gbit/s	7,200	1024 MB	26.1 mm	CMR	✓	✓	3
	-	MN11ACA20TS	20 TB			1024 MB					
	-	MN11ACA18TS	18 TB			1024 MB					
	-	MN11ACA16TS	16 TB			1024 MB					
	HDWG51EEZSTA	MN11ACA14TS	14 TB			512/1024 MB					
	HDWG51CEZSTA	HDWG51CUZSVA	12 TB			512 MB					
	HDWG71AEZSTA	MN10ADA10TS	10 TB			512 MB					
	HDWG780EZSTA	MN10ADA800S	8 TB			512 MB					
	HDWG760EZSTA	MN10ADA600S	6 TB			512 MB					
HDWG740EZSTC	MN10ADA400ES	4 TB	512 MB								
S300 AI Surveillance Hard Drive 3.5"											
	-	MG11ACA24TE-V	24 TB	SATA 6 Gbit/s	7,200	1024 MB	26.1 mm	CMR	✓	✓	5
	-	MG11ACA22TE-V	22 TB								
	-	MG11ACA20TE-V	20 TB								
	-	MG11ACA18TE-V	18 TB								
	-	MG11ACA16TE-V	16 TB								
	-	MG11ACA14TE-V	14 TB								
	-	MG10ADA10TE-V	10 TB			512 MB					
-	MG10ADA800E-V	8 TB	512 MB								
S300 Pro Surveillance Hard Drive 3.5"											
	-	MD10ADA10TV	10 TB	SATA 6 Gbit/s	7,200	512 MB	26.1 mm	CMR	✓	✓	5
	-	MD10ADA800V	8 TB			512 MB					
	-	MD10ADA600V	6 TB			512 MB					
	-	MD10ADA400EV	4 TB			512 MB					
S300 Surveillance Hard Drive 3.5"											
	-	HDWT860UZSVA	6 TB	SATA 6 Gbit/s	5,400	256 MB	26.1 mm	SMR	-	✓	3
	-	HDWT840UZSVA	4 TB		5,400	256 MB					
	-	HDWT720UZSVA	2 TB		5,400	128 MB					
X300 Performance Hard Drive 3.5"											
	-	HDWR62AUZSVA	20 TB	SATA 6 Gbit/s	7,200	512 MB	26.1 mm	CMR	-	-	2
	-	HDWR51JUZSVA	18 TB			512 MB					
	-	HDWR51GUZSVA	16 TB			512 MB					
	HDWR51EEZSTA	HDWR51EUZSVA	14 TB			512 MB					
	HDWR51CEZSTA	HDWR51CUZSVA	12 TB			512 MB					
	HDWR71AEZSTA	HDWR71AUZSVA	10 TB			512 MB					
	HDWR780EZSTA	HDWR780UZSVA	8 TB			512 MB					
	HDWR760EZSTA	HDWR760UZSVA	6 TB			512 MB					
	HDWR740EZSTA	HDWR740UZSVA	4 TB			512 MB					
P300 Desktop PC Hard Drive 3.5"											
	-	HDWD260UZSVA	6TB	SATA 6 Gbit/s	5,400	128 MB	26.1 mm	SMR	-	-	2
	-	HDWD240UZSVA	4TB		5,400	128 MB					
	-	HDWD320UZSVA	2TB		7,200	256 MB					
L200 Laptop PC Hard Drive 2.5"											
	-	HDWL120UZSVA	2 TB	SATA 6 Gbit/s	5,400	128 MB	9.5 mm	SMR	-	-	2
	-	HDWL110UZSVA	1 TB			128 MB	7.0 mm				

HDD Innovation Lab

Toshiba's HDD Innovation Lab: the premier destination for innovative storage solutions tailored for IT, storage, and security professionals.

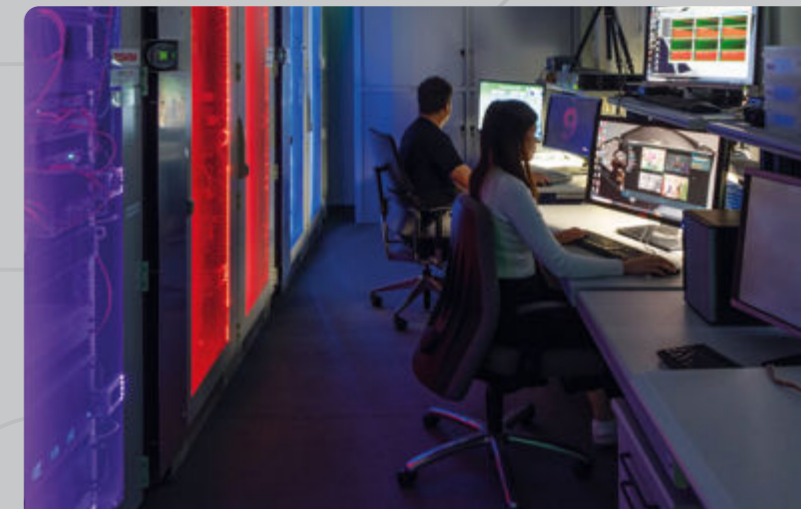
Located in Düsseldorf, our modern facility offers a comprehensive suite of testing and evaluation services to customers and partners in Europe and the Middle East. The lab is dedicated to evaluating HDD configurations for large-scale applications, including network-attached storage (NAS), surveillance systems, and cloud storage.

Expert testing for advanced HDD based storage systems:

Our experts support the HDD evaluation based on your specific requirements. We have invested in a state-of-the-art platform for Proof-of-Concept activities, so you can experience the performance of your unique system.

As part of our lab's activities, we work closely with partners from the value chain. They provide us with specialized equipment that we require for testing and operating the systems with our hard drives in use.

The lab's key feature is its ability to conduct comprehensive benchmarking across diverse setups, ensuring you find the best solution for your needs. We bring together all essential components for benchmarking diverse HDD storage configurations, including different servers, JBODs (Just a Bunch of Disks), chassis, controllers, cables, and software for operating systems.



STORAGE SOLUTION powered by **TOSHIBA**

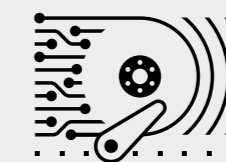


What we offer to our business partners:

- **Performance benchmarking:**
Compare different setups to refine performance and efficiency.
- **Versatile software:**
Use diverse operating systems and storage software for flexible testing.
- **Comprehensive component library:**
Access a wide range of servers, JBODs, and storage devices.
- **Dedicated demonstrations:**
Experience the capabilities of Toshiba's HDDs and storage solutions first-hand.
- **Loan sample programs:**
Access Toshiba HDDs for self-evaluation and testing.
- **Detailed reporting:**
Receive comprehensive reports on testing results, configurations, and recommendations.

Your benefits:

- **Expert support:**
Benefit from our team's deep technical knowledge and personalized guidance.
- **Higher customer satisfaction:**
Reduce reliability risks through rigorous testing.
- **Enhance system reliability:**
Ensure best performance.
- **Improve storage efficiency:**
Maximize storage capacity and utilization.



HDD Innovation Lab



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- Definition of capacity: A gigabyte (GB) is 1,000,000,000 bytes and a terabyte (TB) is 1,000,000,000,000 bytes. A computer operating system, however, reports storage capacity using powers of 2 for the definition of 1GB = 2³⁰ bytes = 1,073,741,824 bytes and 1TB = 2⁴⁰ = 1,099,511,627,776 bytes and therefore shows less storage capacity. Available storage capacity (including examples of various media files) will vary based on file size, formatting, settings, software and operating system and/or pre-installed software applications, or media content. Actual formatted capacity may vary.
- „2.5-inch“ and „3.5-inch“ mean the form factor of HDDs. They do not indicate drive's physical size.
- Product image may represent a design model.
- Number of surveillance cameras support capability is defined by performance simulation with High Definition cameras as 2 MiB/s rate.
- A = Advanced Format Sector (4k), E = 512byte Sector Emulated, N = 512byte Sector Native, P = 4Kn Q=512e
- Toshiba refers to "storage products" as products that can store data, such as HDD.
- MTTF (Mean Time to Failure) is not a guarantee or estimate of product life; it is a statistical value related to mean failure rates for a large number of products which may not accurately reflect actual operation. Actual operating life of the product may be different from the MTTF. Read and write speed may vary depending on the host device, read and write conditions and file size.
- Images displayed of the N300, X300, S300 AI, S300 Pro, S300, P300 and L200 Internal Hard Drives as well as of the MG and AL Series are for illustration purposes only and do not show the actual products. The images are merely intended to help illustrate the function of the products.

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