

Discover Storage

MK4034GSX MK6034GSX 40/60 GB 2.5-inch SATA HDD

Benefits:

- High capacity in smallest size
- High reliability
- Low power consumption
- SATA Interface
- 150MBps transfer rate



Toshiba Europe Storage Device Division (SDD) has remained at the forefront of the storage industry for over 20 years and markets high quality optical and hard disk drives to original equipment manufacturers (OEMs), system integrators and distributors throughout Europe. Throughout its history, Toshiba SDD has pioneered the design and development of small form factor storage devices and set many of the industry standards for HDD technology. As one of the first companies to identify the need for high capacity, high performance storage solutions beyond notebook PCs, Toshiba's HDD technology can be found inside the world's leading mobile phones, GPS navigation systems, portable media players and entertainment systems. The company also pioneered the development of automotive grade HDDs and to date, 15 of the world's leading car equipment manufacturers have incorporated Toshiba HDDs into their car equipment products. Toshiba also leads the industry uptake of the next generation HD DVD format. As the first vendor to deliver market ready HD DVD drives for implementation in next generation notebook and desktop PCs it is working with leading studios and authoring houses to ensure the worldwide proliferation of the format.

Features:

Data Storage Capacity:

	MK4034GSX	MK6034GSX
Per Drive, Formatted	40 GB	60 GB
Number of Platters	1	
Number of Heads	2	
Bytes/Sector	512	

Seek Time

Track-to-Track	2 ms
Average	12 ms
Maximum	22 ms
Rotational Speed	5,400 rpm

Interface

Type	ATA-7/ SATA 1.0a SATA 2 1.2
Transfer Rate	150 MB/sec.
Buffer memory	8,192 KB

Nominal Power Requirements

Voltage Supply	5 V
Sleep (Watts)	0.15 W
Standby (Watts)	0.25 W
Read (Watts)	2.0 W
Write (Watts)	2.0 W
Seeking (Watts)	2.4 W

Dimensions :

Height	9.5 mm
Width	69.85 mm
Depth	100 mm
Weight	97 g

Physical & Environmental Specifications

Temperature Operating	From 5 to 55°C
Temperature Non-Op.	From -20 to 60°C
Vibration-Operating	1G, with 5-500 Hz
Vibration Non-operating	5G, with 15-500 Hz
Shock-operation	325 G
Shock-Non operation	850 G
Accoustic Noise (seek)	25 dB
Altitude/operation	-300 to 3000 m

Reliability Characteristics

MTBF	300,000 Hours
Product life	5 years or 20,000 power on hours

Error Rates

Unrecoverable	1 error per 10 ¹³ bits read
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Applications:

- Notebook systems
- External storage
- Multi-media

Seek

1 error per 10^6 seeks