



MK3252GSX

2.5-inch SATA Hard Disk Drive

Toshiba Storage Device Division introduces the industry's most advanced HDD to date: The world's first 320GB 2.5-inch hard disk drive. (August 2007).

The MK3252GSX reinforces Toshiba's technical and manufacturing expertise by offering 254 Gigabits of data per square inch. The industry's highest capacity to date (August 07) of 320GB in a 9.5mm form factor has been achieved through advances in the magnetic media used in the HDD platters and the components utilised to read and write data.

Weighing 102 g (max), Toshiba's MK3252GSX 320GB hard disk drive breaks current capacity barriers, providing a compact and solid solution for notebooks and small form factor PCs, set-top boxes, external storage and much more digital applications.

Features MK3252GSX

Data Storage Capacity:	
Per drive, Formatted	320 GB
Number of Platters	2
Number of Heads	4
Bytes/ Sector	512
Rotational Speed (rpm)	5,400
Average Seek Time:	
Track-to-Track	2 msec
Average	12
Maximum	22
Interface:	
Type	Serial ATA II Rev.2.6
Buffer (MB)	8
Data Transfer Rate:	
	300MB/sec
Nominal Power Requirements:	
Voltage (V); Supply	+5V (5%)
Sleep (Watts)	0.13
Standby (Watts)	0.16
Read (Watts)	1.9
Write (Watts)	1.9
Seeking (Watts)	2.2

Physical & Environmental Specifications Dimensions –mm:	
Height	9.5
Width	70
Depth	100
Weight	102 g
Ambient Temperature °C :	
Operating	5°~55°
Non-Operating	-40°~60°
Vibration and Shock:	
Operating	1.0 G Vibration
	350 G Shock
Non-Operating	900 G Shock
Acoustic Noise	27 dBA (seek)
Reliability Characteristics:	
MTTF	300,000 hours
Error Rates:	
Unrecoverable	1 in 10 ¹³ bits
Seek	1 in 10 ⁶ bits

- Application:**
- Notebook systems
 - External storage
 - Small Form Factor PCs
 - Set-top boxes
 - And more digital applications

Specifications are subject to change without notice.