



MK8046GSX

2.5-inch SATA Hard Disk Drive

Toshiba's range of 80GB, 120GB, 160GB, and 250GB is the perfect hard disk drive solution for many of today's electronic devices needing high capacity with low power consumption in a 2.5-inch form factor. The MK8046GSX also offers the industries highest areal density per platter and has a motor speed of 5400 RPM which is an improved performance of more than 12% compared to the standard 4200 RPM models.

Applications such as GPS navigation systems, set-top boxes and the more traditional consumer electronic gadgets using hard disk drives will appreciate

Features MK8046GSX

Data Storage Capacity:	
Per drive, Formatted	80 GB
Number of Platters	1
Number of Heads	2
Bytes/ Sector	512
Rotational Speed (rpm)	5,400
Average Seek Time:	
Track-to-Track	2 msec
Average	12
Maximum	22
Interface:	
Type	SATA 2.6/ ATA 8
Buffer (MB)	8
Data Transfer Rate:	Max. 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
Start-up (Watts)	4.7

Physical & Environmental Specifications Dimensions -mm:	
Height	9.5
Width	69,85
Depth	100
Weight	97 g
Ambient Temperature °C :	
Operating	5°~55°
Non-Operating	-40°~60°
Vibration and Shock:	
Operating Vibration	1.0 G with 5-500Hz
Operation Shock	350 G 2 msec
Non-Operating Shock	900 G 1 msec
Acoustic Noise (Random seek)	25 dBA (idle)
Reliability Characteristics:	
MTTF	600,000 hours

- Applications:**
- Notebook systems
 - External storage
 - Small Form Factor PCs
 - Personal Video Recorder
 - IPTV set-top boxes

Specifications are subject to change without notice.

www.storage.toshiba.eu