

Discover Storage

MK1031GAS

100GB

2.5-inch HDD

Features Include:

Large Capacity for Maximum Storage Requirements

Lightweight

Large Data Buffer

50GB per Platter Technology at 9.5mm

High-operating Shock 325G Max

Low Power Consumption

Improved Noise Reduction Technology



Toshiba Storage Device Division leads the market in the development, design and manufacturing of DVD-RAM, DVD-ROM, Combination drives and PC Card & mobile 0.85-inch, 1.8-inch and 2.5-inch hard disk drives. SDD markets high-quality peripherals to original equipment manufacturers, value-added resellers, value-added dealers, system integrators and distributors in Europe. Inherent in the company's product line is high-quality engineering and manufacturing which has established Toshiba products as worldwide leaders.

Data Storage Capacity	
Per Drive, Formatted	100GB
Number of Platters	2
Number of Heads	4
Bytes / Sector	512
Rotational Speed (rpm)	4,200rpm
Data Transfer Rate:	100MB/sec

Average Seek Time:	
Track-to-Track	2ms
Average	12ms
Maximum	22ms

Interface	
Type	ATA-2/3/4/5/6
Buffer memory (KB)	8MB

Nominal Power Requirements:	
Voltage (V) Supply	+5V(±5%)
Sleep (Watts)	0.1watts (typ)
Standby (Watts)	0.18watts (typ)
Read (Watts)	2.0watts (typ)
Write (Watts)	2.0watts (typ)
Seeking (Watts)	2.2watts (typ)

Physical & Environmental Specifications	
Height	0.37" (9.5mm)
Width	2.75" (69.85mm)
Depth	3.94" (100mm)
Weight (gram)	3.46 oz (98g)

Ambient Temperature deg C	
Operating	From 5 to 55°C
Non-Operating	From -20 to 60°C

Shock	
Operating	325g
Non-Operating	850g Max
Acoustic Noise	21-25dB

Reliability Characteristics	
MTTF	300 000 h

Error Rates	
Unrecoverable	1 in 10 ¹³ bits
Seek	1 in 10 ⁶ seeks