

## Discover Storage

# MK8026GAX

## 80GB

### 2.5-inch HDD

#### Features Include:

Large Capacity for Maximum Storage Requirements

Lightweight

Ramp Load Technology

Large Data Buffer

40GB per Platter Technology at 9.5mm

Non-operating Shock 800G 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	80.012GB
Number of Platters	2
Number of Heads	4
Bytes / Sector	512
Rotational Speed (rpm)	5,400rpm
Data Transfer Rate:	UDMA 100

Average Seek Time:	
Track-to-Track	2ms
Average	12ms
Maximum	22ms
Average Latency	5,55ms

Interface	
Type	ATA-2/3/4/5/6
Buffer memory (KB)	16MB

Nominal Power Requirements:	
Voltage (V) Supply	+5V(±5%)
Sleep (Watts)	0.1watts (typ)
Standby (Watts)	0.25watts (typ)
Read (Watts)	2.5watts (typ)
Write (Watts)	2.5watts (typ)
Seeking (Watts)	2.9watts (typ)

Physical & Environmental Specifications	
Height	0.37" (9.5mm)
Width	2.75" (69.85mm)
Depth	3.94" (100mm)
Weight (gram)	3.59 oz (101g)

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

Vibration and Shock	
Operating	200g
Non-Operating	800g Max
Acoustic Noise	29dB

Reliability Characteristics	
MTTF	300 000 h
PM	None

Error Rates	
Unrecoverable	1 in 10 <sup>13</sup> bits
Seek	1 in 10 <sup>6</sup> seeks