

TOSHIBA

Leading Innovation >>>

STORAGE DEVICE DIVISION



MKxx61GSY

2.5-inch SATA HDD

Key Advantages:

- Up to 640GB Storage Capacity
- 3Gb/s Serial ATA, revision 2.6
- 16MB Cache Buffer
- Optional Free-fall Sensor
- Optional Self-Encrypting (SED)*

Applications:

- Notebooks and Small Form Factor PCs
- External Storage
- And more Digital Applications

Specifications:

	MK1661GSY	MK2561GSY	MK3261GSY	MK5061GSY	MK6461GSY
Storage Capacity, Formatted	160 GB	250 GB	320 GB	500 GB	640 GB
Number of Platters	1	1	1	2	2
Number of Heads	1	2	2	4	4
Bytes/ Sector	512				
Rotational Speed (rpm)	7,200				
Average Latency	4.16 ms				
Average Seek Time:					
Track-to-Track (seek)	1 ms				
Average seek	R: 11ms, W: 12 ms				
Interface:					
Type	Serial ATA 2.6 / ATA-8				
Data Transfer Rate:	3Gb/s				
Buffer (MB)	16				
Power Requirements:					
Voltage (V); Supply	+5V (±5%)				
Sleep (w)	0.13				
Standby (w)	0.16				
Read / Write (w)	2.1				
Spin-up (start) (w)	5.5				
Physical & Environmental Specifications Dimensions – mm:					
Width x Depth x Height	69.85 x 100.45 x 9.5 mm				
Weight max	98 g	98 g	98 g	115 g	115 g
Environmental:					
Temp: Operating / Non-operating in °C	5 to 55°C / -40 to 65°C				
Shock Operating / Non-operating	325 G (2ms) / 900 G (1ms)				
Vibration: Operating	1.0G with 5 to 500Hz				
Accoustic Noise (random seek)	23 dB	23 dB	23 dB	26 dB	26 dB
ROHS Compliant	Yes				

* SED Option not available in all EMEA countries.

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