

PC and Notebook Storage

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MKxx61GSYN Series Hard Disk Drive

160 / 250 / 320 / 500 / 640GB *
2.5-Inch / 7,200 RPM / SATA

Designed for speed and mobility, the MKxx61GSYN offers 7,200 RPM performance and 160GB to 640GB of capacity in a durable and compact 2.5-inch, 9.5mm-high series of hard disk drives.

- Up to 640GB* of Storage Capacity
- Optimal Performance at 7,200 RPM
- Serial ATA 3.0 Gb/sec, Revision 2.6 / ATA-8
- 16MB Cache Buffer
- Optional Free-fall Sensor



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	MK1661GSYN	MK2561GSYN	MK3261GSYN	MK5061GSYN	MK6461GSYN
Series Overview					
Drive Capacity	160GB*	250GB*	320GB*	500GB*	640GB*
Drive Interface	Serial ATA 3.0 Gb/sec, Revision 2.6 (ATA-8)				
Number of Platters (disks)	1	1	1	2	2
Number of Data Heads	1	2	2	4	4
RoHS Compliant	Yes				
Transfer Rate to Host	3 Gb/sec				
Performance					
Track-to-track Seek	1 ms				
Average Seek Time	12 ms				
Rotational Speed	7,200 RPM				
Average Latency	4.16ms				
Buffer Size	16MB				
Power Requirements					
Voltage	5V (+/- 5%)				
Spin up (start) Power	5.5 watts				
Seek Power	2.3 watts				
Read/Write Power	2.1 watts				
Low Power Idle	0.8 watts				
Standby Power	0.16 watts				
Sleep Power	0.13 watts				
Physical Size					
Dimensions (W) x (D) x (H)	98 mm (3.86") x 98.85 mm (3.90") x 9.5 mm (0.37")				
Weight	98 g (3.46 oz)	98 g (3.46 oz)	98 g (3.46 oz)	115 g (4.06 oz)	115 g (4.06 oz)
Environmental					
Temp - Operating	5° to 55°C (41° to 131°F)				
Temp - Non-Operating	-40° to 65°C (-40° to 149°F)				
Vibration - Operating	9.8 m/s ² (1.0G) 5 to 500 Hz				
Vibration - Non-Operating	49 m/s ² (5.0G) 15 to 500 Hz				
Shock - Operating	3,185 m/s ² (325G) 2ms				
Shock - Non-Operating	8,820 m/s ² (900G) 1ms				
Acoustics					
Acoustics (idle)	23 dB	23 dB	23 dB	26 dB	26 dB
Acoustics (seek)	23 dB	23 dB	23 dB	26 dB	26 dB
Warranty					
Limited Warranty	3 years (from date of purchase)				

*One Terabyte (1TB) = 1,000 Gigabytes (GB). One Gigabyte (1GB) means 10⁹ = 1,000,000,000 bytes using powers of 10. A computer operating system, however, reports storage capacity using powers of 2 for the definition of 1GB = 2³⁰ = 1,073,741,824 bytes, and therefore shows less storage capacity. Available storage capacity will also be less if the computer includes one or more pre-installed operating systems, pre-installed software applications, or media content. Actual formatted capacity may vary.

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