



MQ01ABDxxx

2.5-inch SATA HDD

Key Advantages:

- Up to 1TB Storage Capacity
- 5,400 Rotational Speed
- Excellent power efficiency
- Silent-seek Technology
- MTTF of 600,000 Hours

Applications:

- Notebooks and Small Form Factor PCs
- Gaming Consoles
- DVR set-top boxes
- External Storage Devices

Specifications:

	MQ01ABD025	MQ01ABD032	MQ01ABD050	MQ01ABD064	MQ01ABD075	MQ01ABD100
Storage Capacity, Formatted	250 GB	320 GB	500 GB	640 GB	750 GB	1000 GB
Number of Platters	1	1	1	2	2	2
Number of Heads	2	2	2	4	4	4
Bytes/ Sector	4k					
Rotational Speed (rpm)	5,400					
Average Latency	5.55 ms					
Average Seek Time:						
Track-to-Track (seek)	2 ms					
Average seek	12 ms					
Interface:						
Type	Serial ATA 2.6 / ATA-8					
Data Transfer Rate:	3Gb/s					
Buffer (MB)	8					
Power Requirements:						
Voltage (V); Supply	+5V (±5%)					
Sleep (W)	0.15					
Standby (W)	0.18					
Read / Write (W)	1.5					
Spin-up (start) (W)	4.5					
Physical & Environmental Specifications Dimensions – mm:						
Width x Depth x Height	69.85 x 100.0 x 9.5 mm					
Weight max	102 g	102 g	102 g	112 g	112 g	112 g
Environmental:						
Temp: Operating / Non-operating in °	5 to 55°C / -40 to 65°C					
Shock Operating / Non-operating	400 G (2ms) / 900 G (1ms)					
Vibration: Operating	1.0 G with 5 to 500Hz					
Acoustic Noise (random seek)	19 dBA	19 dBA	19 dBA	24 dBA	24 dBA	24 dBA
ROHS Compliant	Yes					

