

> MGO4ACAxxxxx

3.5-INCH Capacity Enterprise HDD

> KEY ADVANTAGES

- Up to 5 TB Capacity
- 7,200 RPM
- Toshiba's president write cache technology for optimum performance and data reliability (option)
- Business critical performance, workload rating and data reliability
- 24x7 Operation

> APPLICATIONS

- Mid-range volume servers
- Mainstream storage arrays
- Blade and rackmount servers
- Mission-critical systems

> SPECIFICATIONS



HDD

Standard	MG04ACA200E	MG04ACA300E	MG04ACA400E	MG03ACA500E
	MG04ACA200A	MG04ACA300A	MG04ACA400A	MG04ACA500A
Security SANITIZE*	MG04ACA200EY	MG04ACA300EY	MG04ACA400EY	MG04ACA500EY
	MG04ACA200AY	MG04ACA300AY	MG04ACA400AY	MG04ACA500AY

Series Overview:

Storage Capacity, Formatted	2 TB	3 TB	4 TB	5 TB
Drive Interface	SATA-2.0 (1.5Gbit/s, 3.0 Gbit/s, 6.0 Gbit/s)			
Logical Blocks	MG04ACAxxxA/AY: 4,096B MG04ACAxxxE/EY: 512B (emulation)			

Performance:

Rotational Speed	7,200 rpm			
Seek Time Average (read)	8.5 ms			
Seek Time Average (write)	9.5 ms			
Average Latency	4.17 ms			
Sustained Transfer Rate (max.)	175 MiB/s	185 MiB/s	185 MiB/s	205 MiB/s
Buffer Size	128 MiB			

Power Requirements:

Voltage	+5 V (±5%) +12 V (±10%)			
Read / Write Power	11.3 watts			
Low Power Idle	6.0 watts			

Physical & Environmental Specifications Dimensions - mm:

Width x Depth x Height	101.6 x 147 x 26.1 mm			
Weight max	720 g max.			

Environmental:

Temp: Operating / Non-operating	5 to 55 °C / -40 to 70 °C			
Shock Operating / Non-operating	70G / 300 G with 2ms			
Vibration: Operating	0.75 G with 5 to 300 Hz			
Acoustic Noise (seek)	31 dB			

Reliability

MTTF	1,400,000 hours			
Load/Unload	600,000 times			
Warranty	5 years (from date of purchase)			

* Sanitize Instant Erase (SIE)