

Enterprise Storage

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MG04SCA Series

Hard Disk Drives 2TB / 3TB / 4TB / 5TB*
3.5-Inch / 7,200 RPM / SAS

Delivers massive 5TB capacity using industry standard 4K sector length technologies, models supporting either Advanced Format 512e emulation of legacy sector lengths, and the latest industry standard 4K native sector length technologies for optimum performance.

- Up to 5TB* capacity
- 7,200 rpm performance
- Toshiba's persistent write cache technology for optimum performance and data reliability (option)
- Business Critical performance, workload rating and data reliability



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Leading Innovation >>>



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Standard

MG04SCA200E
MG04SCA200A

MG04SCA300E
MG04SCA300A

MG04SCA400E
MG04SCA400A

MG04SCA500E
MG04SCA500A

Series Overview

	MG04SCA200E MG04SCA200A	MG04SCA300E MG04SCA300A	MG04SCA400E MG04SCA400A	MG04SCA500E MG04SCA500A
Drive Capacity	2TB*	3TB*	4TB*	5TB*
Drive Interface	SAS-2.0 (1.5 Gb/sec, 3.0 Gb/sec, 6.0 Gb/sec)†			
Logical Blocks (LBA)	MG04SCAxxxAY: 4,096/4,160/4,224 B MG04SCAxxxE/EY: 512/520/528 B (emulation)			

Performance

Average Seek Time (Read)	8.5 ms†			
Average Seek Time (Write)	9.5 ms†			
Rotational Speed	7,200 RPM†			
Average Latency	4.17 ms†			
Sustained transfer rate (Max.)	175 MiB/s†	185 MiB/s†	185 MiB/s†	205 MiB/s†
Buffer Size	64MiB FIFO ring buffer†			

Power Requirements

Voltage	+5V ± 5% , +12V ± 5 %			
Read/Write Power	11.3 watts			
Low Power Idle	6.2 watts			

Physical Size

Dimensions (W)x(D)x(H)	101.6 mm x 147 mm x 26.1 mm			
Weight	720 g (Max)			

Environmental

Temp - Operating	5° to 55°C			
Temp - Non-Operating	-40° to 70°C			
Vibration - Operating	7.35 m/s ² {0.75G} (5300Hz) 2.45 m/s ² {0.25G} (300500Hz)			
Vibration - Non-Operating	49 m/s ² {5G} (5500Hz)			
Shock - Operating	686 m/s ² {70G} (2ms duration)			
Shock - Non-Operating	2,940 m/s ² {300G} (2ms duration)			

Acoustics

Acoustics (ready)	31 dB			
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Reliability

MTTF	1,400,000 hours			
Load/Unload	600,000 times			
Operation Condition	24 hours/day, 7 days/week			

Warranty

Limited Warranty	5 years (from date of purchase)			
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Limited Warranty years is for the United States and Canada only. Warranty terms in other counties may be different. For more information visit <http://storage.toshiba.com/storage-services-support/technical-support/warranty>.

*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.

†Read and write speed may vary depending on the host device, read and write conditions, and file size.

While Toshiba has made every effort at the time of publication to ensure the accuracy of the information provided herein, product specifications, configurations, prices, system/component/options and availability are all subject to change without notice. Product image may represent design model.

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