

# Enterprise Storage

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## MG03ACA/MG03ACAY/MG03SCA/MG03SCP Series

Hard Disk Drives 1TB / 2TB / 3TB / 4TB\*  
3.5-Inch / 7,200 RPM / SAS / SATA

The highest capacity enterprise-class disk storage designed for entry-server workloads and capacity-intensive Tier 2 business critical networked storage systems, cloud file and object-oriented storage, and disk-to-disk data protection applications.

- Lowest Cost Per GB Enterprise Storage Option
- 6 Gb/sec SAS and 6 Gb/sec (SATA) Interfaces
- Error Correction (ECC)
- Optional Self-encrypting (SED) Models
- 5 Year Warranty



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Leading Innovation >>>



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## SATA 6Gbps Models

Standard Encryption T13 SANITIZE crypto-scramble & T13 ATA security erase	MG03ACA400 MG03ACA400Y	MG03ACA300 MG03ACA300Y	MG03ACA200 MG03ACA200Y	MG03ACA100 MG03ACA100Y
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## 6Gbps SAS (2.0) Models

Standard Encryption TT10 SANITIZE crypto-erase & TCG-Enterprise SSC	MG03SCA400 MG03SCP400	MG03SCA300 MG03SCP300	MG03SCA200 MG03SCP200	MG03SCA100 MG03SCP100
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## Series Overview

Drive Capacity	4TB*	3TB*	2TB*	1TB*
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## Performance

Rotational Speed	7,200 RPM			
Average Latency	4.17ms			
Sustained transfer rate (Max.)	165 MB/s (4TB models); 155 MB/s (1TB, 2TB, 3TB models)			
Buffer Size	64MiB FIFO ring buffer			

## Power Requirements

Voltage	5V±5% , 12V±5%
Read/Write Power	11.3 watts
Low Power Idle	6.0 watts

## Physical Size

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

## Environmental

Temp - Operating	5° to 55°C (41° to 131°F)
Temp - Non-Operating	-40° to 70°C
Vibration - Operating	7.35 m/s <sup>2</sup> (0.75G, 5 to 300Hz) 2.45 m/s <sup>2</sup> (0.25G, 300 to 500Hz)
Vibration - Non-Operating	49 m/s <sup>2</sup> (5G, 5 to 500Hz)
Shock - Operating	686 m/s <sup>2</sup> (70G) 2ms
Shock - Non-Operating	2,940 m/s <sup>2</sup> (300G) 2ms

## Acoustics

Acoustics (idle)	31 dB
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## Reliability

MTTF	1,200,000 hours
Load/Unload	600,000 times
Operation Condition	24 hours/day, 7day/week, 100% duty

## Warranty

Limited Warranty	5 years (from date of purchase)
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\*One Terabyte (1TB) = 1,000 Gigabytes (GB). One Gigabyte (1GB) means 10<sup>9</sup> = 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 = 2<sup>30</sup> = 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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