



Enterprise Hard Drives

MG Series

Enterprise Capacity HDD

Use for:

Business Critical Enterprise Server and Storage Systems | Enterprise Storage Arrays | Cloud and Hyperscale Storage Systems | Big Data, Distributed File Systems | Enterprise Archive and Data Recovery Systems | Industrial Server- and Storage Systems

- 550 TB/year workload
- 24/7 operation
- Flexibility in block size
- Persistent Write Cache Technology
- 5-year warranty
- Optional: Self-Encryption, Instant Erase

Write
your
story.

Model Number	Basic Specifications								Performance					Reliability				
	Form-factor	Fill Gas	Capacity (GB)	Block Size (Byte)	Spindle Speed (RPM)	Buffer Size (MiByte)	Interface	Security Options	Average Latency (ms)	Average Seek Time		Data Rate (sustained) (MB/s)	Operating Power (W) typ.	MTTF (hrs)	Unrecoverable Error Rate	Duty	Rated Workload (TB/year)	Warranty (years)
										(ms) read	(ms) write							
ENTERPRISE CAPACITY HDD WITH SAS 12 GB/S INTERFACE – BUSINESS CRITICAL STORAGES WITH LARGE CAPACITY																		
MG04SCA20EN	3.5"	Air	2000	512n	7200	128	SAS 12 Gbit/s	SIE	4.2	8.5	8.5	204	11.8	1.4M	1 in 10 ¹⁵	24/7	550	5
MG04SCA40EN			4000					SIE										
MG04SCA20EE			2000	512e	7200	128	SAS 12 Gbit/s	SIE	4.2	8.5	8.5	215	11.8	1.4M	1 in 10 ¹⁵	24/7	550	5
MG04SCA40EE			4000					SIE/SED										
MG04SCA60EE			6000					SIE/SED										
MG06SCA600E			6000					SIE										
MG06SCA800E			8000	256	SAS 12 Gbit/s	SIE/SED	4.2	8.5	8.5	241	9.18	2.5M	1 in 10 ¹⁵	24/7	550	5		
MG06SCA10TE			10000			SIE/SED				241	9.78							
MG07SCA12TE		12000	SIE/SED			248				10.78								
MG07SCA14TE		14000	SIE/SED			254				7.81								
MG08SCA16TE		16000	512	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A					

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ENTERPRISE CAPACITY HDD WITH SAS 12 GB/S INTERFACE – BUSINESS CRITICAL STORAGES WITH LARGE CAPACITY																				
MG04SCA20EA	3.5"	Air	2000	4Kn	7200	128	SAS 12 Gbit/s	SIE	4.2	8.5	9.5	215	11.8	1.4M	1 in 10 ¹⁵	24/7	550	5		
MG04SCA40EA			4000					SIE/SED												
MG04SCA60EA			6000					SIE/SED												
MG06SCA600A			6000					SIE											241	9.18
MG06SCA800A			8000					SIE/SED				241	9.78							
MG06SCA10TA			10000			SIE/SED		248						10.78						
MG07SCA12TA		Helium	12000			SIE/SED														
MG07SCA14TA			14000			SIE/SED													260	8.36
MG08SCA16TA			16000			512			N/A	N/A	N/A	N/A	N/A		N/A					
ENTERPRISE CAPACITY HDD WITH SATA INTERFACE – MAINSTREAM SERVER AND STORAGE, HYPERSCALE- AND CLOUD STORAGE																				
MG04ACA100N	3.5"	Air	1000	512n	7200	128	SATA 6 Gbit/s	SIE	4.2	8.5	9.5	204	11.3	1.4M	1 in 10 ¹⁵	24/7	550	5		
MG04ACA200N			2000																	
MG04ACA400N			4000																	
MG04ACA200E			2000	512e	7200	128	SATA 6 Gbit/s	SIE	4.2	8.5	9.5	184	11.3							
MG04ACA300E			3000			128						194	11.3							
MG04ACA400E			4000			128						194	11.3							
MG04ACA500E			5000			128						215	11.3							
MG04ACA600E			6000			128						215	11.3							
MG06ACA600E			6000			256						241	8.97	2.5M						
MG05ACA800E			8000			128						241	11.4	2.0M						
MG06ACA800E			8000			256						241	9.81	2.5M						
MG06ACA10TE			10000			256						249	10.62							
MG07ACA12TE		Helium	12000			256						254	7.8							
MG07ACA14TE			14000			256						260	7.8							
MG08ACA16TE			16000			512		N/A	N/A	N/A	N/A	N/A	N/A							
MG04ACA200A		Air	2000	4Kn	7200	128	SATA 6 Gbit/s	SIE	4.2	8.5	9.5	184	11.3	1.4M	1 in 10 ¹⁵	24/7	550	5		
MG04ACA300A			3000			128						194	11.3							
MG04ACA400A			4000			128						194	11.3							
MG04ACA500A			5000			128						215	11.3							
MG04ACA600A			6000			128						215	11.3							
MG06ACA600A			6000			256						241	8.97	2.5M						
MG05ACA800A			8000			128						241	11.4	2.0M						
MG06ACA800A			8000			256						241	9.81	2.5M						
MG06ACA10TA			10000			256						249	10.62							
MG07ACA12TA		Helium	12000			256						254	7.8							
MG07ACA14TA			14000			256						260	7.8							
MG08ACA16TA			16000			512		N/A	N/A	N/A	N/A	N/A	N/A							

- „2.5-inch“ and „3.5-inch“ mean the form factor of HDDs. They do not indicate drive's physical size.
- IOPS: Input Output Per Second (or the number of I/O operations per second)
- A = Advanced Format Sector (4K), E = 512byte Sector Emulated, N = 512byte Sector Native, P = 4Kn Q=512e
- MTTF (Mean Time to Failure) is not a guarantee or estimate of product life; it is a statistical value related to mean failure rates for a large number of products which may not accurately reflect actual operation. Actual

- operating life of the product may be different from the MTTF. Read and write speed may vary depending on the host device, read and write conditions and file size.
- SIE = Sanitize Instant Erase, SED = Self Encrypting Drives, FIPS = Federal Information Processing Standard
 - Images displayed of the Internal Hard Drives are for illustration purposes only and do not show the actual products. The images are merely intended to help illustrate the function of the products.

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Further information
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