



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



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)
ENTERPRISE CAPACITY HDD WITH SAS 12 GBIT/S INTERFACE – BUSINESS CRITICAL STORAGES WITH LARGE CAPACITY																		
MG04SCA20EN	3.5"	Air	2,000	512n	7,200	128	SAS 12 Gbit/s	SIE	4.2	8.5	9.5	204	11.8	1.4 mill.	1 in 10 ¹⁵	24/7	550	5
MG04SCA40EN			4,000					SIE										
MG08SDA400N			4,000					SIE/SED										
MG04SCA20EE			2,000					SIE										
MG04SCA40EE			4,000	SIE/SED														
MG08SDA400E			4,000	SIE/SED														
MG04SCA60EE			6,000	SIE/SED														
MG06SCA600E			6,000	SIE														
MG08SDA600E		6,000	512e	7,200	256	SAS 12 Gbit/s	SIE/SED	4.2	7.4	8.2	243	8.6	2.0 mill.	1 in 10 ¹⁵	24/7	550	5	
MG04SCA800E		8,000					SIE/SED											
MG08SDA800E		8,000					SIE/SED											
MG06SCA10TE		10,000					SIE/SED											
MG07SCA12TE		Helium	12,000	512	256	SAS 12 Gbit/s	SIE/SED	4.2	8.5	9.5	254	7.81	2.5 mill.	1 in 10 ¹⁵	24/7	550	5	
MG07SCA14TE			14,000				SIE/SED											
MG08SCA16TE			16,000				SIE/SED											
							SIE/SED											

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										(ms) read	(ms) write																						
ENTERPRISE CAPACITY HDD WITH SAS 12 GBIT/S INTERFACE – BUSINESS CRITICAL STORAGES WITH LARGE CAPACITY																																	
MG04SCA20EA	3.5"	Air	2,000	4Kn	7,200	256	SAS 12 Gbit/s	4.2	8.5	9.5	215	11.8	1.4 mill.	1 in 10 ¹⁵	24/7	550	5	SIE															
MG04SCA40EA			4,000															SIE/SED															
MG04SCA60EA			6,000															SIE/SED															
MG06SCA600A			6,000															SIE															
MG08SDA600A			6,000															SIE/SED															
MG06SCA800A			8,000															SIE/SED															
MG08SDA800A		8,000	SIE/SED																														
MG06SCA10TA		Helium	10,000	SIE/SED																													
MG07SCA12TA			12,000	SIE/SED																													
MG07SCA14TA			14,000	SIE/SED																													
MG08SCA16TA			16,000	SIE/SED																													
			512	SIE/SED																													
	8.0		8.6	275	8.2																												
ENTERPRISE CAPACITY HDD WITH SATA 6 GBIT/S INTERFACE – MAINSTREAM SERVER AND STORAGE, HYPERSCALE- AND CLOUD STORAGE																																	
MG04ACA100N	3.5"	Air	1,000	512n	7,200	128	SATA 6 Gbit/s	4.2	8.5	9.5	204	11.3	1.4 mill.	1 in 10 ¹⁵	24/7	550	5	SIE															
MG04ACA200N			2,000															SIE/SED															
MG04ACA400N			4,000															SIE/SED															
MG08ADA400N			4,000	SIE/SED																													
MG04ACA200E			2,000	512e	7,200	256	SATA 6 Gbit/s	4.2	8.5	9.5	215	11.3	8.97	2.5 mill.	1 in 10 ¹⁵	24/7	550	5	SIE														
MG04ACA400E			4,000																SIE/SED														
MG08ADA400E			4,000																SIE/SED														
MG04ACA600E			6,000																SIE														
MG06ACA600E			6,000																SIE/SED														
MG08ADA600E			6,000																SIE/SED														
MG06ACA800E			8,000																SIE														
MG08ADA800E			8,000																SIE/SED														
MG06ACA10TE			10,000																SIE/SED														
MG07ACA12TE			12,000																SIE														
MG07ACA14TE			14,000																SIE/SED														
MG08ACA16TE		16,000	SIE/SED																														
MG04ACA200A		2,000	4Kn																7,200	256	SATA 6 Gbit/s	4.2	8.5	9.5	184	11.3	8.97	2.5 mill.	1 in 10 ¹⁵	24/7	550	5	SIE
MG04ACA400A		4,000																															SIE/SED
MG04ACA600A		6,000																															SIE/SED
MG06ACA600A		6,000		SIE																													
MG08ADA600A		6,000		SIE/SED																													
MG06ACA800A		8,000		SIE/SED																													
MG08ADA800A		8,000		SIE																													
MG06ACA10TA		10,000		SIE/SED																													
MG07ACA12TA		12,000		SIE																													
MG07ACA14TA		14,000		SIE/SED																													
MG08ACA16TA		16,000		SIE/SED																													
		8.0		8.6	275	7.67																											

- „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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