



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 (ms)		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	512e	7,200	256	SAS 12 Gbit/s	SIE	4.2	8.5	9.5	215	11.8	1.4 mill.	1 in 10 ¹⁵	24/7	550	5
MG04SCA40EE			4,000					SIE/SED										
MG08SDA400E			4,000					SIE/SED										
MG04SCA60EE			6,000					SIE/SED										
MG06SCA600E			6,000					SIE										
MG08SDA600E			6,000					SIE/SED										
MG06SCA800E			8,000	512e	7,200	256	SAS 12 Gbit/s	SIE/SED	4.2	8.5	9.5	241	9.78	2.5 mill.	1 in 10 ¹⁵	24/7	550	5
MG08SDA800E			8,000					SIE/SED										
MG06SCA10TE			10,000					SIE/SED										
MG07SCA12TE			12,000					SIE/SED										
MG07SCA14TE			14,000					SIE/SED										
MG08SCA16TE			16,000					SIE/SED										
MG09SCA18TE			18,000	512	SIE/SED	8.0	8.6	275	8.2	2.5 mill.	8.74							
					SIE/SED	8.0	9.6	281	8.74									

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	Form-factor	Fill Gas	Capacity (GB)	Block Size (Byte)	Spindle Speed (RPM)	Buffer Size (MiByte)	Interface	Security Options	Average Latency (ms)	Average Seek Time (ms)		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																											
MG04SCA20EA	3.5"	Air	2,000	4Kn	7,200	128	SAS 12 Gbit/s	SIE	4.2	8.5	9.5	215	11.8	1.4 mill.	1 in 10 ¹⁵	24/7	550	5									
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		10,000	SIE/SED			256		4.2		7.4	8.2	239	10.0	2.0 mill.													
MG07SCA12TA		12,000	SIE/SED																512	4.2	8.5	9.5	254	7.81	2.5 mill.		
MG07SCA14TA		14,000	SIE/SED																								
MG08SCA16TA		Helium	16,000			512		4.2		8.0	8.6	275	8.2	2.5 mill.													
MG09SCA18TA			18,000																SIE/SED	8.0	8.6	281	8.74				
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	SIE	4.2					8.5	9.5	204	11.3	1.4 mill.	1 in 10 ¹⁵	24/7	550	5
MG04ACA200N	2,000			SIE/SED																							
MG04ACA400N	4,000			SIE/SED																							
MG08ADA400N	4,000			SIE/SED																							
MG04ACA200E	2,000			SIE																							
MG04ACA400E	4,000			SIE/SED																							
MG08ADA400E	4,000			SIE/SED																							
MG04ACA600E	6,000			SIE	256	4.2	7.4		8.2		243		8.1		2.0 mill.												
MG06ACA600E	6,000			SIE/SED												512e	4.2	8.5	9.5	215	11.3	1.4 mill.					
MG08ADA600E	8,000			SIE/SED																							
MG06ACA800E	8,000			SIE/SED	256	4.2	7.4		8.2		248		9.6		2.0 mill.												
MG08ADA800E	8,000			SIE/SED												512	4.2	8.5	9.5	241	9.81	2.5 mill.					
MG06ACA10TE	10,000			SIE/SED																							
MG07ACA12TE	12,000			SIE	512	4.2	8.5		9.5		249		10.62		2.5 mill.												
MG07ACA14TE	14,000		SIE/SED																								
MG08ACA16TE	16,000		SIE/SED																								
MG09ACA18TE	18,000		SIE/SED	4Kn	7,200	128	SATA 6 Gbit/s	SIE	4.2	8.5	9.5	184	11.3	1.4 mill.	1 in 10 ¹⁵	24/7	550	5									
MG04ACA200A	2,000		SIE/SED																								
MG04ACA400A	4,000		SIE/SED																								
MG04ACA600A	6,000		SIE																								
MG06ACA600A	6,000		SIE/SED																								
MG08ADA600A	6,000		SIE/SED																								
MG06ACA800A	8,000		SIE/SED					256											4.2	7.4	8.2	239	9.6	2.0 mill.			
MG08ADA800A	8,000		SIE/SED			512				4.2	8.5	9.5	241	9.81											2.5 mill.		
MG06ACA10TA	10,000		SIE/SED																								
MG07ACA12TA	12,000		SIE			512		4.2		8.5	9.5	254	7.8	2.5 mill.													
MG07ACA14TA	14,000		SIE/SED																								
MG08ACA16TA	16,000		SIE/SED																								
MG09ACA18TA	18,000	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.