



## 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 <sup>15</sup>	24/7	550	5	
MG04SCA40EN			4,000					SIE		7.4	8.2	222	8.6	2.0 mill.					
MG08SDA400N			4,000					SIE/SED		8.5	9.5	215	11.8	1.4 mill.					
MG04SCA20EE			2,000	512e	7,200	256	SAS 12 Gbit/s	SIE	4.2	8.5	9.5	241	9.18	1.4 mill.	1 in 10 <sup>15</sup>	24/7	550	5	
MG04SCA40EE			4,000					SIE/SED		7.4	8.2	243	8.6	2.0 mill.					
MG08SDA400E			4,000					SIE/SED		8.5	9.5	241	9.78	2.5 mill.					
MG04SCA60EE			6,000					SIE/SED		7.4	8.2	248	10.0	2.0 mill.					
MG06SCA600E			6,000					SIE		8.5	9.5	248	10.78	2.5 mill.					
MG08SDA600E			6,000					SIE/SED		8.5	9.5	241	9.78	2.5 mill.					
MG06SCA800E			8,000	Helium	512e	256	SAS 12 Gbit/s	SIE/SED	4.2	8.5	9.5	254	7.81	2.5 mill.	1 in 10 <sup>15</sup>	24/7	550	5	
MG08SDA800E			8,000					SIE/SED		7.4	8.2	248	10.0						2.0 mill.
MG06SCA10TE			10,000					SIE/SED		8.5	9.5	248	10.78						2.5 mill.
MG07SCA12TE			12,000					SIE/SED		8.0	8.6	275	8.2						2.5 mill.
MG07SCA14TE			14,000					SIE/SED		8.0	9.6	281	8.74						2.5 mill.
MG08SCA16TE			16,000					SIE/SED		8.0	8.6	275	8.2						2.5 mill.
MG09SCA18TE			18,000	SIE/SED	8.0	9.6	281	8.74	2.5 mill.										

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																													
<b>ENTERPRISE CAPACITY HDD WITH SAS 12 GBIT/S INTERFACE – BUSINESS CRITICAL STORAGES WITH LARGE CAPACITY</b>																																								
MG04SCA20EA	3.5"	Air	2,000	4Kn	7,200	128	SAS 12 Gbit/s	4.2	8.5	9.5	215	11.8	1.4 mill.	1 in 10 <sup>15</sup>	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	512	SIE/SED																																			
MG07SCA12TA			12,000		SIE/SED																																			
MG07SCA14TA			14,000		SIE/SED																																			
MG08SCA16TA			16,000		SIE/SED																																			
MG09SCA18TA			18,000		SIE/SED																																			
	18,000		SIE/SED																																					
<b>ENTERPRISE CAPACITY HDD WITH SATA 6 GBIT/S INTERFACE – MAINSTREAM SERVER AND STORAGE, HYPERSCALE- AND CLOUD STORAGE</b>																																								
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 <sup>15</sup>	24/7	550	5	SIE																						
MG04ACA200N			2,000																SIE/SED																					
MG04ACA400N			4,000																	7.4	8.2	222	8.1	2.0 mill.																
MG08ADA400N			4,000																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 <sup>15</sup>	24/7	550	5	SIE						
MG04ACA200E			2,000																																SIE/SED					
MG04ACA400E			4,000																																	7.4	8.2	243	8.1	2.0 mill.
MG08ADA400E			4,000																																7.4	8.2	243	8.1	2.0 mill.	
MG04ACA600E			6,000																																128	8.5	9.5	215	11.3	1.4 mill.
MG06ACA600E			6,000																																SIE					
MG08ADA600E			6,000																SIE/SED																					
MG06ACA800E			8,000																512	7,200	256	SATA 6 Gbit/s	4.2	8.5	9.5	241	9.81	9.6	2.0 mill.	1 in 10 <sup>15</sup>	24/7	550	5	SIE						
MG08ADA800E			8,000																																SIE/SED					
MG06ACA10TE		10,000	7.4	8.2	248	9.6	2.0 mill.																																	
MG07ACA12TE		12,000	SIE																																					
MG07ACA14TE		14,000	SIE/SED																																					
MG08ACA16TE		16,000	SIE/SED																																					
MG09ACA18TE		18,000	SIE/SED																																					
MG04ACA200A		Air	2,000	4Kn	7,200	128	SATA 6 Gbit/s	4.2	8.5	9.5	184	11.3	1.4 mill.	1 in 10 <sup>15</sup>	24/7	550	5	SIE																						
MG04ACA400A			4,000																SIE/SED																					
MG04ACA600A			6,000																	7.4	8.2	215	8.97	2.5 mill.																
MG06ACA600A			6,000																512	7,200	256	SATA 6 Gbit/s	4.2	8.5	9.5	241	9.81	9.6	2.0 mill.	1 in 10 <sup>15</sup>	24/7	550	5	SIE						
MG08ADA600A			6,000																																SIE/SED					
MG06ACA800A			8,000																																	7.4	8.2	239	9.6	2.0 mill.
MG08ADA800A			8,000																																SIE					
MG06ACA10TA	10,000		SIE/SED																																					
MG07ACA12TA	12,000		SIE																																					
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MG09ACA18TA	18,000																		8.0	8.6	275	7.67	2.5 mill.																	

- „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.