



## 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	239	10.0	2.0 mill.				
MG04SCA60EE			6,000					SIE/SED		8.5	9.5	241	9.78	2.5 mill.				
MG06SCA600E			6,000					SIE		7.4	8.2	248	10.0	2.0 mill.				
MG08SDA600E			6,000					SIE/SED		8.5	9.5	248	10.78	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	260	8.36					
MG06SCA10TE			10,000					SIE/SED		8.0	8.6	275	8.2					
MG07SCA12TE			12,000					SIE/SED		8.0	9.6	281	8.74					
MG07SCA14TE			14,000					SIE/SED										
MG08SCA16TE			16,000					SIE/SED										
MG09SCA18TE			18,000	SIE/SED														

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										(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															SIE/SED														
MG08ADA400N			4,000															SIE/SED														
MG04ACA200E			2,000															512e	7,200	256	SATA 6 Gbit/s	4.2	8.5	9.5	241	8.97	2.5 mill.	1 in 10 <sup>15</sup>	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															4Kn	7,200	256	SATA 6 Gbit/s	4.2	8.5	9.5	241	9.81	2.5 mill.	1 in 10 <sup>15</sup>	24/7	550	5	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																													
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															SIE/SED														
MG06ACA600A			6,000															SIE														
MG08ADA600A			6,000															SIE/SED														
MG06ACA800A			8,000															SIE/SED														
MG08ADA800A			8,000															SIE/SED														
MG06ACA10TA	10,000		SIE																													
MG07ACA12TA	12,000		SIE/SED																													
MG07ACA14TA	14,000		SIE/SED																													
MG08ACA16TA	16,000		SIE/SED																													
MG09ACA18TA	18,000		SIE/SED																													

- „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.