



## 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										
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	SIE/SED	4.2	8.5	9.5	215	11.8	1.4 mill.	1 in 10 <sup>15</sup>	24/7	550	5					
MG06SCA800E		8,000	SIE/SED															
MG08SDA800E		8,000	SIE/SED															
MG06SCA10TE		10,000	SIE/SED															
MG07SCA12TE		Helium	12,000	512e	7,200	256	SAS 12 Gbit/s	SIE/SED	4.2	8.5	9.5	241	9.18	2.5 mill.	1 in 10 <sup>15</sup>	24/7	550	5
MG08SDA800E			8,000					SIE/SED										
MG06SCA14TE			14,000					SIE/SED										
MG08SCA16TE			16,000					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	256	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			10,000															SIE/SED
MG07SCA12TA			12,000															SIE/SED
MG07SCA14TA			14,000															SIE/SED
MG08SCA16TA	16,000	512	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	256	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															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	512	SIE/SED															
MG04ACA200A	3.5"	Air	2,000	4Kn	7,200	256	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	512	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.