



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 GB/S INTERFACE – BUSINESS CRITICAL STORAGES WITH LARGE CAPACITY																		
MG04SCA20EN	3.5"	Air	2000	512n	7200	128	SAS 12 Gbit/s	SIE	4.2	8.5	8.5	204	11.8	1.4M	1 in 10 ¹⁵	24/7	550	5
MG04SCA40EN			4000															
MG04SCA20EE			2000															
MG04SCA40EE			4000															
MG04SCA60EE			6000															
MG06SCA600E			6000															
MG06SCA800E		8000	512e	7200	256	SAS 12 Gbit/s	SIE	4.2	8.5	8.5	241	9.18	2.5M	1 in 10 ¹⁵	24/7	550	5	
MG06SCA10TE		10000					SIE/SED				241	9.78						
MG07SCA12TE		12000					SIE/SED				248	10.78						
MG07SCA14TE		14000					SIE/SED				254	7.81						
MG08SCA16TE		16000					SIE/SED				260	8.36						
							N/A				N/A	N/A						N/A

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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		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																
ENTERPRISE CAPACITY HDD WITH SAS 12 GB/S INTERFACE – BUSINESS CRITICAL STORAGES WITH LARGE CAPACITY																											
MG04SCA20EA	3.5"	Air	2000	4Kn	7200	128	SAS 12 Gbit/s	SIE	4.2	8.5	9.5	215	11.8	1.4M	1 in 10 ¹⁵	24/7	550	5									
MG04SCA40EA			4000																256	SIE/SED							
MG04SCA60EA			6000																	SIE/SED							
MG06SCA600A			6000																	SIE							
MG06SCA800A			8000																	SIE/SED							
MG06SCA10TA			10000																SIE/SED								
MG07SCA12TA		12000	Helium	14000	SIE/SED																						
MG07SCA14TA		14000		SIE/SED																							
MG08SCA16TA		16000		512	N/A																						
		N/A		N/A	N/A	N/A	N/A	N/A	N/A																		
ENTERPRISE CAPACITY HDD WITH SATA INTERFACE – MAINSTREAM SERVER AND STORAGE, HYPERSCALE- AND CLOUD STORAGE																											
MG04ACA100N	3.5"	Air	1000	512n	7200	128	SATA 6 Gbit/s	SIE	4.2	8.5	9.5	204	11.3	1.4M	1 in 10 ¹⁵	24/7	550	5									
MG04ACA200N			2000																								
MG04ACA400N			4000																								
MG04ACA200E			2000	512e	7200	128	SATA 6 Gbit/s	SIE	4.2	8.5	9.5	184	11.3	2.5M	1 in 10 ¹⁵	24/7	550	5									
MG04ACA300E			3000																								
MG04ACA400E			4000																								
MG04ACA500E			5000											128	215	11.3											
MG04ACA600E			6000											128	215	11.3											
MG06ACA600E			6000											256	241	8.97											
MG05ACA800E			8000											128	241	11.4											
MG06ACA800E			8000											256	241	9.81											
MG06ACA10TE			10000											256	249	10.62											
MG07ACA12TE			12000											256	254	7.8											
MG07ACA14TE			14000											256	260	7.8											
MG08ACA16TE			16000											512	N/A	N/A	N/A	N/A	N/A								
MG04ACA200A		2000	4Kn											7200	128	SATA 6 Gbit/s	SIE	4.2	8.5	9.5	184	11.3	2.5M	1 in 10 ¹⁵	24/7	550	5
MG04ACA300A		3000																									
MG04ACA400A		4000																									
MG04ACA500A		5000		128	215	11.3																					
MG04ACA600A		6000		128	215	11.3																					
MG06ACA600A		6000		256	241	8.97																					
MG05ACA800A		8000		128	241	11.4																					
MG06ACA800A		8000		256	241	9.81																					
MG06ACA10TA		10000		256	249	10.62																					
MG07ACA12TA		12000		256	254	7.8																					
MG07ACA14TA		14000		256	260	7.8																					
MG08ACA16TA		16000		512	N/A	N/A	N/A	N/A	N/A																		

- „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.