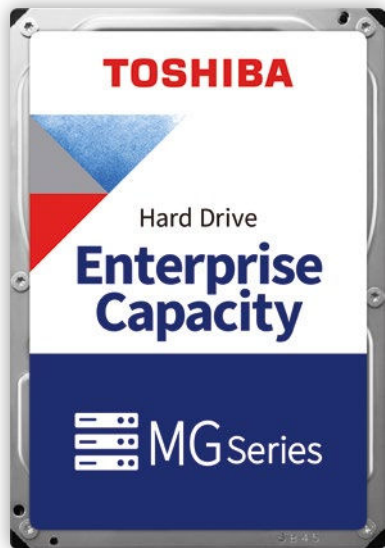




Enterprise Hard Drives

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

Write
your
story.

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							
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			256		SIE/SED		222	8.6	2.0 mill.						
MG04SCA20EE			2,000			128		SIE		215	11.8	1.4 mill.						
MG04SCA40EE			4,000	512e	7,200	SAS 12 Gbit/s	SIE/SED	243		8.6	2.0 mill.	1 in 10 ¹⁵	24/7	550	5			
MG08SDA400E			4,000				256	SIE/SED		243	8.6					2.0 mill.		
MG04SCA60EE			6,000				128	SIE/SED		241	9.18					2.5 mill.		
MG06SCA600E			6,000				256	SIE		241	9.78					2.5 mill.		
MG08SDA600E			6,000					SIE/SED		239	10.0					2.0 mill.		
MG06SCA800E			8,000					SIE/SED		241	9.78					2.5 mill.		
MG08SDA800E			8,000					SIE/SED		248	10.0					2.0 mill.		
MG06SCA10TE			10,000					SIE/SED		248	10.78					2.5 mill.		
MG07SCA12TE		12,000	SIE/SED					8.5		9.5	254						7.81	
MG07SCA14TE		14,000	SIE/SED								260						8.36	
MG08SCA16TE		16,000	512					SIE/SED		8.0	8.6						275	8.2

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												
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			SIE/SED																				
MG04SCA60EA			SIE/SED																				
MG06SCA600A			SIE			256		241				9.18	2.5 mill.										
MG08SDA600A			SIE/SED																				
MG06SCA800A			SIE/SED																				
MG08SDA800A		SIE/SED	248			10.0				2.0 mill.													
MG06SCA10TA		SIE/SED																					
MG07SCA12TA		SIE/SED									254			7.81					2.5 mill.				
MG07SCA14TA		SIE/SED																					
MG08SCA16TA		SIE/SED																					
						10,000					512								8.5	9.5	248	10.78	
		Helium	12,000									254	7.81										
			14,000										260	8.36									
			16,000							8.0	8.6	275	8.2										
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				222	8.1	2.0 mill.									
MG08ADA400N			4,000			256		SIE/SED				7.4	8.2	2.0 mill.									
MG04ACA200E			2,000	512e	7,200	128		SIE	4.2	8.5	9.5	184	11.3	1.4 mill.									
MG04ACA400E			4,000					SIE/SED															
MG08ADA400E			4,000					SIE/SED				7.4	8.2	2.0 mill.									
MG04ACA600E			6,000					128				SIE	8.5	9.5					1.4 mill.				
MG06ACA600E			6,000			256		SIE/SED				241	8.97	2.5 mill.									
MG08ADA600E			6,000					SIE/SED				7.4	8.2	2.0 mill.									
MG06ACA800E			8,000					SIE				8.5	9.5	2.5 mill.									
MG08ADA800E			8,000					SIE/SED				241	9.81	2.5 mill.									
MG06ACA10TE			10,000					SIE/SED				7.4	8.2	2.0 mill.									
MG07ACA12TE		Helium	12,000					SIE				249	10.62	2.5 mill.									
MG07ACA14TE			14,000					SIE				8.5	9.5										
MG08ACA16TE			16,000					SIE/SED				260	7.8										
								512														8.0	8.6
MG04ACA200A		Air	2,000	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					
MG04ACA400A			4,000					SIE/SED															
MG04ACA600A			6,000					SIE/SED				194	8.97	2.5 mill.									
MG06ACA600A			6,000					SIE/SED				241	9.6	2.0 mill.									
MG08ADA600A			6,000					SIE/SED				7.4	8.2	2.0 mill.									
MG06ACA800A			8,000					SIE				8.5	9.5	2.5 mill.									
MG08ADA800A			8,000					SIE/SED				241	9.81	2.5 mill.									
MG06ACA10TA			10,000					SIE/SED				7.4	8.2	2.0 mill.									
MG07ACA12TA		Helium	12,000					SIE				249	10.62	2.5 mill.									
MG07ACA14TA			14,000					SIE				8.5	9.5										
MG08ACA16TA			16,000					SIE/SED				260	7.8										
								512														8.0	8.6

- „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.

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Further information
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