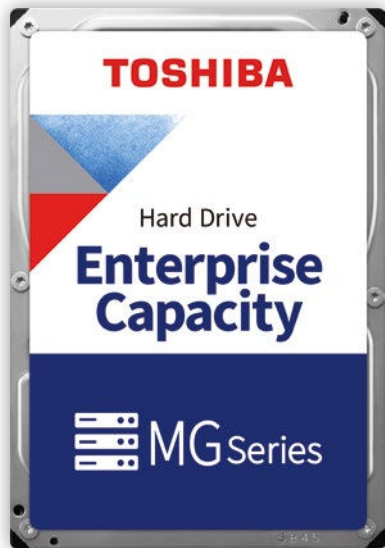




Enterprise Hard Drives

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		222		8.6	2.0 mill.							
MG08SDA400N			4,000			SIE/SED		215		11.8	1.4 mill.							
MG04SCA20EE			2,000	512e	7,200	256	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
MG04SCA40EE			4,000					SIE/SED				215	11.8	1.4 mill.				
MG08SDA400E			4,000					SIE/SED				243	8.6	2.0 mill.				
MG04SCA60EE			6,000					SIE/SED				241	9.18	1.4 mill.				
MG06SCA600E			6,000					SIE				239	10.0	2.5 mill.				
MG08SDA600E			6,000					SIE/SED				241	9.78	2.0 mill.				
MG06SCA800E			8,000					SIE/SED				248	10.0	2.5 mill.				
MG08SDA800E			8,000					SIE/SED				248	10.78	2.5 mill.				
MG06SCA10TE		10,000	SIE/SED			254		7.81										
MG07SCA12TE		12,000	SIE/SED			260		8.36										
MG07SCA14TE		14,000	SIE/SED			275		8.2										
MG08SCA16TE		16,000	512									SIE/SED	281	8.74				
MG09SCA18TE		18,000										SIE/SED						

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 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			4,000					SIE/SED				241	9.18	2.5 mill.						
MG04SCA60EA			6,000					SIE/SED					256	10.0					2.0 mill.	
MG06SCA600A			6,000			SIE		239				9.78		2.5 mill.						
MG08SDA600A			6,000			SIE/SED		248				10.78		2.0 mill.						
MG06SCA800A			8,000			SIE/SED		254				7.81		2.5 mill.						
MG08SDA800A			8,000			SIE/SED		260				8.36								
MG06SCA10TA		10,000	SIE/SED			275		8.2												
MG07SCA12TA		Helium	12,000			512		SIE/SED				8.0	8.6	281					8.74	
MG07SCA14TA			14,000					SIE/SED				8.0	8.6							
MG08SCA16TA			16,000					SIE/SED				8.0	8.6							
MG09SCA18TA			18,000					SIE/SED				8.0	8.6							
												SIE/SED	8.0	8.6						
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				222	8.1	2.0 mill.						
MG04ACA400N			4,000					SIE/SED					256	11.3					1.4 mill.	
MG08ADA400N			4,000			SIE		184				11.3		1.4 mill.						
MG04ACA200E			2,000	SIE/SED		194														
MG04ACA400E			4,000	SIE/SED		243	8.1	2.0 mill.												
MG08ADA400E			4,000	SIE		215	11.3	1.4 mill.												
MG04ACA600E			6,000	256		241	8.97	2.5 mill.												
MG06ACA600E			6,000			SIE/SED	239	9.6				2.0 mill.								
MG08ADA600E			8,000			SIE	241	9.81				2.5 mill.								
MG06ACA800E			8,000			SIE/SED	248	9.6				2.0 mill.								
MG08ADA800E			8,000			SIE/SED	249	10.62				2.5 mill.								
MG06ACA10TE			10,000	SIE		254	7.8													
MG07ACA12TE		Helium	12,000	512		SIE/SED	8.0	8.6					275	7.67						
MG07ACA14TE			14,000			SIE/SED	8.0	8.6												
MG08ACA16TE			16,000			SIE/SED	8.0	8.6												
MG09ACA18TE			18,000			SIE/SED	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
MG04ACA400A		4,000		SIE/SED		194														
MG04ACA600A		6,000		SIE/SED		215														
MG06ACA600A		6,000		256		SIE/SED			241		8.97				2.5 mill.					
MG08ADA600A		6,000				SIE			239		9.6				2.0 mill.					
MG06ACA800A		8,000				SIE/SED			241		9.81				2.5 mill.					
MG08ADA800A		8,000				SIE/SED			248		9.6				2.0 mill.					
MG06ACA10TA		Helium	10,000	512		SIE			249		10.62				2.5 mill.					
MG07ACA12TA			12,000			SIE/SED			254		7.8									
MG07ACA14TA			14,000			SIE/SED			260											
MG08ACA16TA			16,000			SIE/SED			275		7.67									
MG09ACA18TA			18,000			SIE/SED			281		8.35									

- „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.

Toshiba Electronics Europe GmbH
Hansaallee 181
40549 Düsseldorf, Germany

Further information
toshiba-storage.com