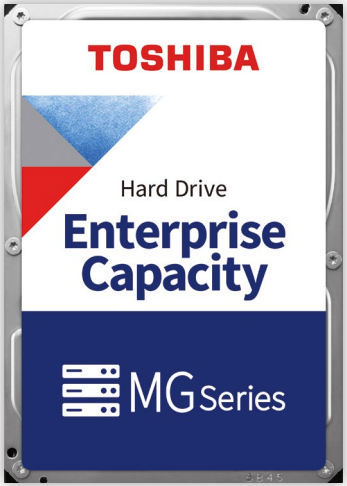
TOSHIBA



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 & Recording	Capacity (GB)	Block Size (Byte)	Spindle Speed (RPM)	Buffer Size (MiByte)	Interface	Security Options	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 CMR	2,000	512n	7,200	128	SAS 12 Gbit/s	SIE	204	11.8	1.4 mill.	1 in 10^{15}	24/7	550	5
MG04SCA40EN			4,000					SIE							
MG08SDA400N			4,000			256		SIE/SED	233	8.5	2.0 mill.				
MG04SCA20EE			2,000	512e	7,200	128		SIE	215	11.8	1.4 mill.	1 in 10^{15}	24/7	550	5
MG04SCA40EE			4,000					SIE/SED							
MG08SDA400E			4,000			256		SIE/SED	255	8.5	2.0 mill.				
MG04SCA60EE			6,000			128		SIE/SED	215	11.8	1.4 mill.				
MG06SCA600E			6,000			256		SIE	241	9.5	2.5 mill.				
MG08SDA600E			6,000					SIE/SED	251	9.2	2.0 mill.				
MG06SCA800E			8,000					SIE/SED	249	10.2	2.5 mill.				
MG08SDA800E			8,000					SIE/SED	260	9.9	2.0 mill.				
MG06SCA10TE			10,000					SIE/SED	249	11.0	2.5 mill.				
MG07SCA12TE		Helium CMR	12,000					SIE/SED	254	7.8					
MG07SCA14TE			14,000					SIE/SED	260	8.4					
MG08SCA14TE			14,000			512		SIE	260	8.2					
MG08SCA16TE			16,000					SIE/SED	275						
MG09SCA16TE		Helium MAMR	16,000					SIE/SED	281	9.2					
MG09SCA18TE			18,000					SIE/SED							
ENTERPRISE CAPACITY HDD WITH SAS 12 GBIT/S INTERFACE – BUSINESS CRITICAL STORAGES WITH LARGE CAPACITY															
MG04SCA20EA	3.5“	Air CMR	2,000	4Kn	7,200	128	SAS 12 Gbit/s	SIE	215	11.8	1.4 mill.	1 in 10^{15}	24/7	550	5
MG04SCA40EA			4,000					SIE/SED							
MG08SDA400A			4,000			256		SIE/SED	255	8.5					
MG04SCA60EA			6,000			128		SIE/SED	215	11.8					
MG06SCA600A			6,000			256		SIE	241	9.5	2.5 mill.				
MG08SDA600A			6,000					SIE/SED	251	9.2	2.0 mill.				
MG06SCA800A			8,000					SIE/SED	249	10.2	2.5 mill.				
MG08SDA800A			8,000					SIE/SED	260	9.9	2.0 mill.				
MG06SCA10TA			10,000					SIE/SED	249	11.0	2.5 mill.				

MG Series Enterprise Capacity HDD

Model Number	Basic Specifications								Performance		Reliability				
	Form-factor	Fill Gas & Recording	Capacity (GB)	Block Size (Byte)	Spindle Speed (RPM)	Buffer Size (MiByte)	Interface	Security Options	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															
MG07SCA12TA	3.5“	Helium CMR	12,000	4Kn	7,200	256	SAS 12 Gbit/s	SIE/SED	254	7.8	2.5 mill.		24/7	550	5
MG07SCA14TA			14,000					SIE/SED	260	8.4					
MG08SCA14TA			14,000			512		SIE	260	8.2					
MG08SCA16TA			16,000					SIE/SED	275						
MG09SCA16TA		Helium MAMR	16,000					SIE/SED	281	9.2					
MG09SCA18TA			18,000					SIE/SED							
ENTERPRISE CAPACITY HDD WITH SATA 6 GBIT/S INTERFACE – MAINSTREAM SERVER AND STORAGE, HYPERSCALE- AND CLOUD STORAGE															
MG04ACA100N	3.5“	Air CMR	1,000	512n	7,200	128	SATA 6 Gbit/s	SIE	204	11.3	1.4 mill.	1 in 10^{15}	24/7	550	5
MG04ACA200N			2,000					SIE							
MG04ACA400N			4,000					SIE							
MG08ADA400N			4,000			256		SIE/SED	233	8.1	2.0 mill.				
MG04ACA200E			2,000	512e	7,200	128	SATA 6 Gbit/s	SIE	184	11.3	1.4 mill.	1 in 10^{15}	24/7	550	5
MG04ACA400E			4,000					SIE	194						
MG08ADA400E			4,000			256		SIE/SED	255	8.1	2.0 mill.				
MG04ACA600E			6,000			128		SIE	215	11.3	1.4 mill.				
MG06ACA600E			6,000			256		SIE	241	9.0	2.5 mill.				
MG08ADA600E			6,000					SIE/SED	251	8.7	2.0 mill.				
MG06ACA800E			8,000					SIE	241	9.8	2.5 mill.				
MG08ADA800E			8,000					SIE/SED	260	9.5	2.0 mill.				
MG06ACA10TE			10,000					SIE/SED	249	10.6	2.5 mill.				
MG07ACA12TE		Helium CMR	12,000					SIE/SED	254	7.8					
MG07ACA14TE			14,000					SIE/SED	260	8.0					
MG08ACA14TE			14,000			512		SIE	260	7.7					
MG08ACA16TE			16,000					SIE/SED	275						
MG09ACA16TE		Helium MAMR	16,000					SIE/SED	281	8.3					
MG09ACA18TE			18,000					SIE/SED							
MG04ACA200A	3.5“	Air CMR	2,000	4Kn	7,200	128	SATA 6 Gbit/s	SIE	184	11.3	1.4 mill.	1 in 10^{15}	24/7	550	5
MG04ACA400A			4,000					SIE	194						
MG08ADA400A			4,000			256		SIE/SED	255	8.1	2.0 mill.				
MG04ACA600A			6,000			128		SIE	215	11.3	1.4 mill.				
MG06ACA600A			6,000			256		SIE	241	9.0	2.5 mill.				
MG08ADA600A			6,000					SIE/SED	251	8.7	2.0 mill.				
MG06ACA800A			8,000					SIE	241	9.8	2.5 mill.				
MG08ADA800A			8,000					SIE/SED	260	9.5	2.0 mill.				
MG06ACA10TA			10,000					SIE	249	10.6	2.5 mill.				
MG07ACA12TA		Helium CMR	12,000					SIE	254	7.8					
MG07ACA14TA			14,000					SIE	260	8.0					
MG08ACA14TA			14,000			512		SIE	260	7.7					
MG08ACA16TA			16,000					SIE/SED	275						
MG09ACA16TA		Helium MAMR	16,000					SIE/SED	281	8.3					
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.

Toshiba Electronics Europe GmbH
Hansaallee 181
40549 Düsseldorf, Germany

Further information
toshiba-storage.com