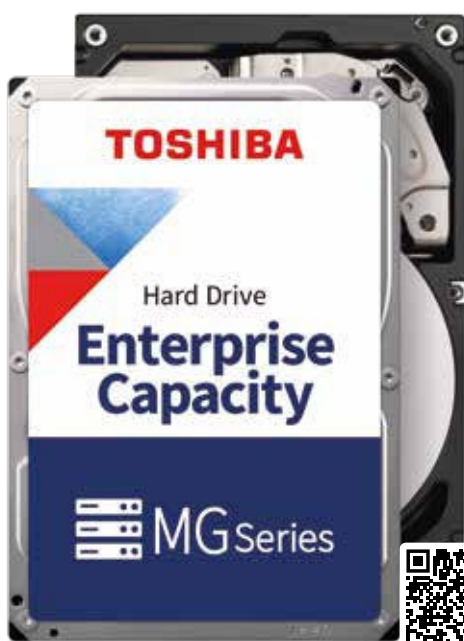


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MG Series Enterprise Capacity Hard Drives

As Big Data drives demand for more distributed storage in the cloud and on premises, enterprise server and storage systems need to be built using trusted solutions. Toshiba's Enterprise Capacity Hard Drive – MG Series offers formatted capacities as high as 20 TB with interface options including SATA and SAS and delivers 24/7 operation at a workload of 550 TB/year. The MG Series is ideal for enterprise storage array and industrial server and storage systems. It provides the capacity and advanced technologies to meet the special demands of datacenter and cloud-scale infrastructures.

Use for

- Enterprise Server
- Enterprise Storage
- Cloud Scale up and Scale out Storage
- Archive Systems
- Industrial and Surveillance Storage

Top Features

- 3.5" SATA or SAS Hard Drive
- 7,200 rpm
- Persistent Write Cache Technology
- 550 TB/year workload
- Flexibility in block size
- 24/7 operation
- 5-year warranty

Capacities

20 TB	18 TB	16 TB	14 TB	12 TB	10 TB
8 TB	6 TB	4 TB	2 TB	1 TB	



MG Series



Enterprise Hard Drives

Model Number	Specification						Performance		Reliability		
	Fill Gas & Recording	Capacity (GB)	Block Size (Byte)	Buffer Size (MiByte)	Interface	Security Options	Data Rate (sustained) (MB/s)	OperatingPower (W) typ.	MTTF (hrs)	Unrecoverable Error Rate	
Enterprise Capacity HDD with SAS 12 Gbit/s Interface – Business Critical Storages with large capacity											
MG04SCA20EN	Air CMR	2,000	512n	128	SAS 12 Gbit/s	SIE	204	11.8	1.4 mill.	1 in 10 ¹⁵	
MG04SCA40EN		4,000				SIE	204	11.8			
MG08SDA400N		4,000				SIE/SED	233	8.5			
MG04SCA20EE		2,000	512e	128	SAS 12 Gbit/s	SIE	215	11.8	1.4 mill.	1 in 10 ¹⁵	
MG04SCA40EE		4,000				SIE/SED	215	11.8			
MG08SDA400E		4,000				SIE/SED	255	8.5			
MG06SCA600E		6,000		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		SIE	260		8.2		
MG08SCA16TE				16,000		SIE/SED	275		8.2		
MG09SCA16TE		Helium MAMR		16,000		SIE/SED	281		9.2		
MG09SCA18TE	18,000			SIE/SED		281	9.2				
MG10SCA20TE	20,000			SIE/SED		281	9.6				
MG04SCA20EA	Air CMR		2,000	128	SAS 12 Gbit/s	SIE	215	11.8	1.4 mill.	1 in 10 ¹⁵	
MG04SCA40EA		4,000	SIE/SED			215	11.8				
MG08SDA400A		4,000	SIE/SED			255	8.5				
MG06SCA600A		6,000	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.				
MG07SCA12TA	Helium CMR	12,000	SIE/SED	254		7.8					
MG07SCA14TA		14,000	SIE/SED	260		8.4					
MG08SCA14TA		14,000	SIE	260		8.2					
MG08SCA16TA		16,000	SIE/SED	275		8.2					
MG09SCA16TA	Helium MAMR	16,000	SIE/SED	281		9.2					
MG09SCA18TA		18,000	SIE/SED	281		9.2					
MG10SCA20TA		20,000	SIE/SED	281		9.6					
Enterprise Capacity HDD with SATA 6 Gbit/s Interface – Mainstream Server and Storage, Hyperscale- and Cloud Storage											
MG04ACA100N	Air CMR	1,000	512n	128	SATA 6 Gbit/s	SIE	204	11.3	1.4 mill.	1 in 10 ¹⁵	
MG04ACA200N		2,000				SIE	204	11.3			
MG04ACA400N		4,000				SIE	204	11.3			
MG08ADA400N		4,000	256	SIE/SED	233	8.1	2.0 mill.	1 in 10 ¹⁵			
MG04ACA200E		2,000	128	SATA 6 Gbit/s	SIE	184	11.3		1.4 mill.		
MG04ACA400E		4,000			SIE	194	11.3				
MG08ADA400E		4,000			SIE/SED	255	8.1				
MG06ACA600E		6,000	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	512e		256	SATA 6 Gbit/s	SIE/SED		249	10.6	2.5 mill.
MG07ACA12TE		12,000					SIE/SED		254	7.8	
MG07ACA14TE		Helium CMR					14,000		SIE/SED	260	
MG08ACA14TE					14,000		SIE		260	7.7	
MG08ACA16TE					16,000		SIE/SED		275	7.7	
MG09ACA16TE	Helium MAMR				16,000		SIE/SED		281	8.3	
MG09ACA18TE		18,000			SIE/SED		281		8.3		
MG10ACA20TE		20,000			SIE/SED		281	9.3			
MG04ACA200A		Air CMR			2,000		128	SATA 6 Gbit/s	SIE	184	11.3
MG04ACA400A	4,000			SIE	194				11.3		
MG08ADA400A	4,000			SIE/SED	255				8.1		
MG06ACA600A	6,000			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	SIE	260	7.7						
MG08ACA16TA		16,000	SIE/SED	275	7.7						
MG09ACA16TA	Helium MAMR	16,000	SIE/SED	281	8.3						
MG09ACA18TA		18,000	SIE/SED	281	8.3						
MG10ACA20TA		20,000	SIE/SED	281	9.3						