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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 22 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

SATA SAS	3.5" SATA or SAS Hard Drive
RPM	7,200 rpm
	Persistent Write Cache Technology
550	550 TB/year workload
512n 4k	Flexibility in block size
24/7	24/7 operation
5	5-year warranty

Capacities

22 TB | 20 TB | 18 TB | 16 TB | 14 TB | 12 TB

10 TB | 8 TB | 6 TB | 4 TB | 2 TB | 1 TB

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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)	Operating Power (W) typ.	MTTF (hrs)	Unrecoverable Error Rate
Enterprise Capacity HDD with SAS 12 Gbit/s Interface – Business Critical Storages with large capacity										
MG10SDA200N	Air CMR	2,000	512n	512	SAS 12 Gbit/s	SIE/SED	204	8.7	2.0 mill.	1 in 10^{16}
MG10SDA400N		4,000					239	9.6		
MG09SCA12TA	Helium MAMR	12,000	4Kn	512	SAS 12 Gbit/s	SIE/SED	281	8.4	2.5 mill.	1 in 10^{16}
MG09SCA14TA		14,000						8.9		
MG09SCA16TA		16,000						9.2		
MG09SCA18TA		18,000						9.2		
MG10SCA20TA		20,000						9.6		
MG10SDA200E	Air CMR	2,000	512e	512	SAS 12 Gbit/s	SIE/SED	281	8.0	2.0 mill.	1 in 10^{16}
MG10SDA400E		4,000						8.9		
MG10SDA600E		6,000						9.7		
MG10SDA800E		8,000						10.5		
MG10SDA10TE		10,000						11.3		
MG09SCA12TE	Helium MAMR	12,000						8.4	2.5 mill.	
MG09SCA14TE		14,000						8.9		
MG09SCA16TE		16,000						9.2		
MG09SCA18TE		18,000						9.2		
MG10SCA20TE		20,000						9.6		
MG10SFA22TE		22,000					284	10.2		
Enterprise Capacity HDD with SATA 6 Gbit/s Interface – Mainstream Server and Storage, Hyperscale- and Cloud Storage										
MG10ADA100N	Air CMR	1,000	512n	512	SATA 6 Gbit/s	SIE/SED	221	7.6	2.0 mill.	1 in 10^{16}
MG10ADA200N		2,000					221	8.3		
MG10ADA400N		4,000					239	9.3		
MG09ACA12TA	Helium MAMR	12,000	4Kn	512	SATA 6 Gbit/s	SIE/SED	281	7.9	2.5 mill.	1 in 10^{16}
MG09ACA14TA		14,000						8.5		
MG09ACA16TA		16,000						8.3		
MG09ACA18TA		18,000						8.3		
MG10ACA20TA		20,000						9.3		
MG10ADA200E	Air CMR	2,000	512e	512	SATA 6 Gbit/s	SIE/SED	281	7.7	2.0 mill.	1 in 10^{16}
MG10ADA400E		4,000						8.6		
MG10ADA600E		6,000						9.3		
MG10ADA800E		8,000						10.1		
MG10ADA10TE		10,000						11.0		
MG09ACA12TE	Helium MAMR	12,000						7.9	2.5 mill.	
MG09ACA14TE		14,000						8.5		
MG09ACA16TE		16,000						8.3		
MG09ACA18TE		18,000						8.3		
MG10ACA20TE		20,000						9.3		
MG10AFA22TE		22,000					284	9.8		

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