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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 24 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

| | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|
| 24 TB | 22 TB | 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) | 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 | | 12,000 | | | | | | 8.4 | | |
| MG09SCA14TE | 14,000 | 8.9 | | | | | | | | |
| MG09SCA16TE | 16,000 | 9.2 | | | | | | | | |
| MG09SCA18TE | 18,000 | 9.2 | | | | | | | | |
| MG10SCA20TE | 20,000 | 9.6 | | | | | | | | |
| MG10SFA22TE | 22,000 | 10.2 | | | | | | | | |
| MG11SCA24TE | 24,000 | 1024 | 309 | 9.6 | | | | | | |
| 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 | | 12,000 | | | | | | 7.9 | | |
| MG09ACA14TE | 14,000 | 8.5 | | | | | | | | |
| MG09ACA16TE | 16,000 | 8.3 | | | | | | | | |
| MG09ACA18TE | 18,000 | 8.3 | | | | | | | | |
| MG10ACA20TE | 20,000 | 9.3 | | | | | | | | |
| MG10AFA22TE | 22,000 | 1024 | 284 | 9.8 | | | | | | |
| MG11ACA24TE | 24,000 | 1024 | 309 | 9.2 | | | | | | |