



## **HDD TOSHIBA MG09 Series 14TB SATA 512 MB 7200 rpm 3,5 MG09ACA14TE**



Model: MG09ACA14TE

Manufacturer: TOSHIBA

Product Code: 40739

**R11,661** ~~R12,030~~

### **Rethink Your Data Storage Toshiba Enterprise HDDs**

The MG09 Series features Toshiba's third-generation, 9-disk Helium-sealed design to advance Conventional Magnetic Recording (CMR) density to 2 TB per disk, achieving a total capacity up to 18TB. The industry-standard 3.5-inch form-factor provides 7200rpm performance, and integrates easily into cloud-scale storage infrastructure, business-critical servers and storage, and File and Object storage solutions.

The massive 18 TB CMR capacity is delivered using Toshiba's innovative Flux Control Microwave Assisted Magnetic Recording (FC-MAMR) technology. These advances help the MG09 Series to

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achieve optimum storage capacity and application compatibility, with unsurpassed data reliability. Available with either a SATA 6.0 Gbit/s or a 12.0 Gbit/s SAS interface, the MG09 Series models integrate easily into standard 3.5-inch drive bays to help reduce the footprint and operational burden of cloud-scale storage infrastructure, File and Object storage systems, and business critical servers and storage systems.

- Up to 18TB capacity
- Conventional Magnetic Recording (CMR) for broad compatibility
- Toshiba Flux Control Microwave-assisted Magnetic Recording (FC-MAMR) Technology
- Industry-leading 9-disk helium-sealed design for superior storage density
- Industry Standard 3.5-inch 26.1mm height Form Factor
- 7200rpm Performance
- Choice of SATA 6.0 Gbit/s and 12.0 Gbit/s SAS Interfaces
- Lower operational power profile, providing excellent power efficiency (W/TB) for better TCO
- 550 Total TB Transferred per Year Workload Rating
- 512e or 4Kn Advanced Format Sector Technology; (512e Model) Includes Toshiba Persistent Write Cache Technology for Data-Loss Protection in Sudden Power-Loss Events
- Sustained transfer rate and power efficiency improvements vs. prior MG Series generations
- Sanitize Instant Erase (SIE) option model and Self Encrypting Drive (SED) option model
- Cloud-scale Server and Storage Infrastructure
- Software-defined data center infrastructure
- File- and Object-based storage infrastructure
- Tiered Storage Infrastructure Solutions
- Workloads and Use-Cases that Benefit from High Capacity per Spindle disk drives
- Capacity-Optimized Cloud-scale and Rack-Scale Storage Systems
- Compliance Data Archives and Data Life-Cycle Management Storage Systems
- Data Center Data-Protection and Data Back-up Infrastructure

Summary: Toshiba MG09. HDD capacity: 14 TB, HDD speed: 7200 RPM, HDD size: 3.5", Interface: Serial ATA III | Vendor Homepage: <https://storage.toshiba.com/enterprise-hdd/cloud-scale-capacity/mg09-series> | 24/7 operation: Yes | Advanced Format (AF): Yes | Component for: NAS | HDD capacity: 14000 | HDD interface transfer rate: 6 | HDD size: 3.5 | HDD speed: 7200 | HDD sustained transfer rate: 268 | Hot-swap: No | Interface: Serial ATA III | Mean time to failure (MTTF): 2500000 | Noise level (idle): 20 | Start/stop cycles: 600000 | Type: HDD | Uncorrectable Bit Error Rate (UBER): 1

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per 10<sup>10</sup> bits read | Workload rate limit: 550 | Operating voltage: 5 / 12 | Power consumption (idle): 3.77 | Power consumption (typical): 7.96 | Non-operating altitude: -305 - 12192 | Non-operating shock: 250 | Non-operating vibration: 3 | Operating altitude: -305 - 3048 | Operating relative humidity (H-H): 5 - 90 | Operating shock: 70 | Operating temperature (T-T): 5 - 55 | Operating vibration: 0.75 | Storage relative humidity (H-H): 5 - 95 | Storage temperature (T-T): -40 - 70 | Quantity per pack: 1 | Model: MG09ACA14TE | HDD Family name: MG09 Series | Units per Pallet: 0 | Units per Shipping Box: 20 | Unit Calculated Volume: 0.00186 | Product Net Weight: 0.69 | Unit Calculated Weight: 0.7

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