



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 | Capacity (GB) | Block Size (Byte) | Spindle Speed (RPM) | Buffer Size (MiByte) | Interface | Security Options | Average Latency (ms) | Average Seek Time (ms) | | 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 | 2,000 | 512n | 7,200 | 128 | SAS 12 Gbit/s | SIE | 4.2 | 8.5 | 9.5 | 204 | 11.8 | 1.4 mill. | 1 in 10 ¹⁵ | 24/7 | 550 | 5 |
| MG04SCA40EN | | | 4,000 | | | | | SIE | | 7.4 | 8.2 | 222 | 8.6 | 2.0 mill. | | | | |
| MG08SDA400N | | | 4,000 | | | | | SIE/SED | | 7.4 | 8.2 | 243 | 8.6 | 2.0 mill. | | | | |
| MG04SCA20EE | | | 2,000 | 512e | 7,200 | 256 | SAS 12 Gbit/s | SIE | 4.2 | 8.5 | 9.5 | 215 | 11.8 | 1.4 mill. | 1 in 10 ¹⁵ | 24/7 | 550 | 5 |
| MG04SCA40EE | | | 4,000 | | | | | SIE/SED | | 7.4 | 8.2 | 243 | 8.6 | 2.0 mill. | | | | |
| MG08SDA400E | | | 4,000 | | | | | SIE/SED | | 7.4 | 8.2 | 243 | 8.6 | 2.0 mill. | | | | |
| MG04SCA60EE | | | 6,000 | | | | | SIE/SED | | 8.5 | 9.5 | 241 | 9.18 | 2.5 mill. | | | | |
| MG06SCA600E | | | 6,000 | | | | | SIE | | 7.4 | 8.2 | 239 | 10.0 | 2.0 mill. | | | | |
| MG08SDA600E | | | 6,000 | | | | | SIE/SED | | 8.5 | 9.5 | 241 | 9.78 | 2.5 mill. | | | | |
| MG06SCA800E | | | 8,000 | Helium | 512e | 256 | SAS 12 Gbit/s | SIE/SED | 4.2 | 8.5 | 9.5 | 241 | 9.78 | 2.5 mill. | 1 in 10 ¹⁵ | 24/7 | 550 | 5 |
| MG08SDA800E | | | 8,000 | | | | | SIE/SED | | 7.4 | 8.2 | 248 | 10.0 | 2.0 mill. | | | | |
| MG06SCA10TE | | | 10,000 | | | | | SIE/SED | | 7.4 | 8.2 | 248 | 10.78 | 2.5 mill. | | | | |
| MG07SCA12TE | | | 12,000 | | | | | SIE/SED | | 8.5 | 9.5 | 254 | 7.81 | 2.5 mill. | | | | |
| MG07SCA14TE | | | 14,000 | | | | | SIE/SED | | 8.5 | 9.5 | 260 | 8.36 | 2.5 mill. | | | | |
| MG08SCA16TE | | | 16,000 | | | | | SIE/SED | | 8.0 | 8.6 | 275 | 8.2 | 2.5 mill. | | | | |
| MG09SCA18TE | | | 18,000 | 512 | SIE/SED | 8.0 | 9.6 | 281 | 8.74 | 2.5 mill. | | | | | | | | |

| Model Number | Basic Specifications | | | | | | | | Performance | | | | Reliability | | | | | | | | | | | | | | | | | | | | |
|--|----------------------|----------|---------------|-------------------|---------------------|----------------------|---------------|------------------|----------------------|-------------------|------------|------------------------------|--------------------------|-----------------------|--------------------------|------|--------------------------|------------------|-------|---------------|---------------|-----|-----|-----|-------|------|-----------|-----------------------|-----------------------|------|-----|---------|---------|
| | Form-factor | Fill Gas | Capacity (GB) | Block Size (Byte) | Spindle Speed (RPM) | Buffer Size (MiByte) | Interface | Security Options | Average Latency (ms) | Average Seek Time | | Data Rate (sustained) (MB/s) | Operating Power (W) typ. | MTTF (hrs) | Unrecoverable Error Rate | Duty | Rated Workload (TB/year) | Warranty (years) | | | | | | | | | | | | | | | |
| | | | | | | | | | | (ms) read | (ms) write | | | | | | | | | | | | | | | | | | | | | | |
| ENTERPRISE CAPACITY HDD WITH SAS 12 GBIT/S INTERFACE – BUSINESS CRITICAL STORAGES WITH LARGE CAPACITY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MG04SCA20EA | 3.5" | Air | 2,000 | 4Kn | 7,200 | 128 | SAS 12 Gbit/s | 4.2 | 8.5 | 9.5 | 215 | 11.8 | 1.4 mill. | 1 in 10 ¹⁵ | 24/7 | 550 | 5 | SIE | | | | | | | | | | | | | | | |
| MG04SCA40EA | | | 4,000 | | | | | | | | | | | | | | | SIE/SED | | | | | | | | | | | | | | | |
| MG04SCA60EA | | | 6,000 | | | | | | | | | | | | | | | SIE/SED | | | | | | | | | | | | | | | |
| MG06SCA600A | | | 6,000 | | | | | | | | | | | | | | | SIE | | | | | | | | | | | | | | | |
| MG08SDA600A | | | 6,000 | | | | | | | | | | | | | | | SIE/SED | | | | | | | | | | | | | | | |
| MG06SCA800A | | | 8,000 | | | | | | | | | | | | | | | SIE/SED | | | | | | | | | | | | | | | |
| MG08SDA800A | | 8,000 | SIE/SED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MG06SCA10TA | | Helium | 10,000 | 512 | SIE/SED | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MG07SCA12TA | | | 12,000 | | SIE/SED | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MG07SCA14TA | | | 14,000 | | SIE/SED | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MG08SCA16TA | | | 16,000 | | SIE/SED | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MG09SCA18TA | | | 18,000 | | SIE/SED | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 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 | 1,000 | 512n | 7,200 | 128 | SATA 6 Gbit/s | 4.2 | 8.5 | 9.5 | 204 | 11.3 | 1.4 mill. | 1 in 10 ¹⁵ | 24/7 | 550 | 5 | SIE | | | | | | | | | | | | | | | |
| MG04ACA200N | | | 2,000 | | | | | | | | | | | | | | | SIE/SED | | | | | | | | | | | | | | | |
| MG04ACA400N | | | 4,000 | | | | | | | | | | | | | | | SIE/SED | | | | | | | | | | | | | | | |
| MG08ADA400N | | | 4,000 | | | | | | | | | | | | | | | SIE/SED | | | | | | | | | | | | | | | |
| MG04ACA200E | | | 2,000 | | | | | | | | | | | | | | | 512e | 7,200 | 256 | SATA 6 Gbit/s | 4.2 | 8.5 | 9.5 | 215 | 11.3 | 8.97 | 2.5 mill. | 1 in 10 ¹⁵ | 24/7 | 550 | 5 | SIE |
| MG04ACA400E | | | 4,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | SIE/SED |
| MG08ADA400E | | | 4,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | SIE/SED |
| MG04ACA600E | | | 6,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | SIE |
| MG06ACA600E | | | 6,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | SIE/SED |
| MG08ADA600E | | | 6,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | SIE/SED |
| MG06ACA800E | | | 8,000 | | | | | | | | | | | | | | | 512 | 7,200 | 256 | SATA 6 Gbit/s | 4.2 | 8.5 | 9.5 | 241 | 9.81 | 9.6 | 2.0 mill. | 1 in 10 ¹⁵ | 24/7 | 550 | 5 | SIE |
| MG08ADA800E | | | 8,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | SIE/SED |
| MG06ACA10TE | | 10,000 | SIE/SED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MG07ACA12TE | | 12,000 | SIE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MG07ACA14TE | | 14,000 | SIE/SED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MG08ACA16TE | | 16,000 | SIE/SED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MG09ACA18TE | | 18,000 | SIE/SED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MG04ACA200A | | Air | 2,000 | 4Kn | 7,200 | 128 | SATA 6 Gbit/s | 4.2 | 8.5 | 9.5 | 184 | 11.3 | 1.4 mill. | 1 in 10 ¹⁵ | 24/7 | 550 | 5 | SIE | | | | | | | | | | | | | | | |
| MG04ACA400A | | | 4,000 | | | | | | | | | | | | | | | SIE/SED | | | | | | | | | | | | | | | |
| MG04ACA600A | | | 6,000 | | | | | | | | | | | | | | | SIE/SED | | | | | | | | | | | | | | | |
| MG06ACA600A | | | 6,000 | | | | | | | | | | | | | | | SIE | | | | | | | | | | | | | | | |
| MG08ADA600A | | | 6,000 | | | | | | | | | | | | | | | SIE/SED | | | | | | | | | | | | | | | |
| MG06ACA800A | | | 8,000 | | | | | | | | | | | | | | | SIE/SED | | | | | | | | | | | | | | | |
| MG08ADA800A | | | 8,000 | | | | | | | | | | | | | | | SIE/SED | | | | | | | | | | | | | | | |
| MG06ACA10TA | 10,000 | | 512 | | | | | | | | | | | | | | | 7,200 | 256 | SATA 6 Gbit/s | 4.2 | 8.5 | 9.5 | 249 | 10.62 | 7.8 | 2.5 mill. | 1 in 10 ¹⁵ | 24/7 | 550 | 5 | SIE | |
| MG07ACA12TA | 12,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | SIE/SED | |
| MG07ACA14TA | 14,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | SIE/SED | |
| MG08ACA16TA | 16,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | SIE/SED | |
| MG09ACA18TA | 18,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | SIE/SED | |
| | 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.