



# Enterprise Hard Drives

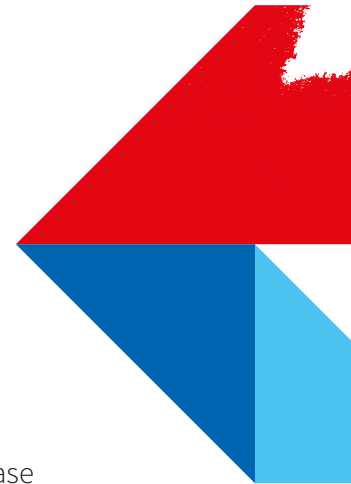
## MG Series

### 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 & Recording | Capacity (GB) | Block Size (Byte) | Spindle Speed (RPM) | Buffer Size (MiByte)  | Interface     | Security Options | Data Rate (sustained) (MB/s) | Operating Power (W) typ. | MTTF (hrs)  | Unrecoverable Error Rate | Duty    | Rated Workload (TB/year) | Warranty (years) |           |                       |           |     |   |
| <b>ENTERPRISE CAPACITY HDD WITH SAS 12 GBIT/S INTERFACE - BUSINESS CRITICAL STORAGES WITH LARGE CAPACITY</b> |                      |                      |               |                   |                     |                       |               |                  |                              |                          |             |                          |         |                          |                  |           |                       |           |     |   |
| MG04SCA20EN  | 3.5"                 | Air CMR              | 2,000         | 512n              | 7,200               | 128                   | SAS 12 Gbit/s | SIE              | 204                          | 11.8                     | 1.4 mill.   | 1 in 10 <sup>15</sup>    | 24/7    | 550                      | 5                |           |                       |           |     |   |
| MG04SCA40EN  |                      |                      | 4,000         |                   |                     |                       |               | SIE              |                              |                          |             |                          |         |                          |                  |           |                       |           |     |   |
| MG08SDA400N  |                      |                      | 4,000         |                   |                     |                       |               | SIE/SED          |                              |                          |             |                          |         |                          |                  | 233       | 8.5                   | 2.0 mill. |     |   |
| MG04SCA20EE  |                      |                      | 2,000         |                   |                     |                       |               | SIE              |                              |                          |             |                          |         |                          |                  | 215       | 11.8                  | 1.4 mill. |     |   |
| MG04SCA40EE  |                      |                      | 4,000         |                   |                     |                       |               | SIE/SED          |                              |                          |             |                          |         |                          |                  | 255       | 8.5                   | 2.0 mill. |     |   |
| MG08SDA400E  |                      |                      | 4,000         |                   |                     |                       |               | SIE/SED          |                              |                          |             |                          |         |                          |                  | 255       | 8.5                   | 2.0 mill. |     |   |
| 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                | 1 in 10 <sup>15</sup> | 24/7          | 550              | 5                            |                          |             |                          |         |                          |                  |           |                       |           |     |   |
| MG07SCA12TE  |                      | 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               |                     |                       |               |                  |                              |                          |             |                          |         |                          |                  |           |                       |           |     |   |
| MG09SCA16TE  |                      | 16,000               | SIE/SED       | 281               | 9.2                 |                       |               |                  |                              |                          |             |                          |         |                          |                  |           |                       |           |     |   |
| MG09SCA18TE  |                      | 18,000               | SIE/SED       |                   |                     |                       |               |                  |                              |                          |             |                          |         |                          |                  |           |                       |           |     |   |
| <b>ENTERPRISE CAPACITY HDD WITH SAS 12 GBIT/S INTERFACE - BUSINESS CRITICAL STORAGES WITH LARGE CAPACITY</b> |                      |                      |               |                   |                     |                       |               |                  |                              |                          |             |                          |         |                          |                  |           |                       |           |     |   |
| MG04SCA20EA  |                      | 3.5"                 | Air CMR       | 2,000             | 4Kn                 |                       |               |                  |                              | 7,200                    | 128         | SAS 12 Gbit/s            | SIE     | 215                      | 11.8             | 1.4 mill. | 1 in 10 <sup>15</sup> | 24/7      | 550 | 5 |
| MG04SCA40EA  |                      |                      |               | 4,000             |                     |                       |               |                  |                              |                          |             |                          | SIE/SED |                          |                  |           |                       |           |     |   |
| MG08SDA400A  | 4,000                |                      |               | SIE/SED           |                     | 255                   | 8.5           | 2.0 mill.        |                              |                          |             |                          |         |                          |                  |           |                       |           |     |   |
| 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.        |                              |                          |             |                          |         |                          |                  |           |                       |           |     |   |

# MG Series Enterprise Capacity HDD

| Model Number   | Basic Specifications |                      |               |                   |                     |                      |                       |                  | Performance                  |                          | Reliability |                          |                       |                          |                  |   |
|--|----------------------|----------------------|---------------|-------------------|---------------------|----------------------|-----------------------|------------------|------------------------------|--------------------------|-------------|--------------------------|-----------------------|--------------------------|------------------|---|
|  | Form-factor          | Fill Gas & Recording | Capacity (GB) | Block Size (Byte) | Spindle Speed (RPM) | Buffer Size (MiByte) | Interface             | Security Options | Data Rate (sustained) (MB/s) | Operating Power (W) typ. | MTTF (hrs)  | Unrecoverable Error Rate | Duty                  | Rated Workload (TB/year) | Warranty (years) |   |
| <b>ENTERPRISE CAPACITY HDD WITH SAS 12 GBIT/S INTERFACE – BUSINESS CRITICAL STORAGES WITH LARGE CAPACITY</b>               |                      |                      |               |                   |                     |                      |                       |                  |                              |                          |             |                          |                       |                          |                  |   |
| MG07SCA12TA  | 3.5"                 | Helium CMR           | 12,000        | 4Kn               | 7,200               | 256                  | SAS 12 Gbit/s         | SIE/SED          | 254                          | 7.8                      | 2.5 mill.   | 1 in 10 <sup>15</sup>    | 24/7                  | 550                      | 5                |   |
| MG07SCA14TA  |                      |                      | 14,000        |                   |                     |                      |                       | SIE/SED          | 260                          | 8.4                      |             |                          |                       |                          |                  |   |
| MG08SCA14TA  |                      |                      | 14,000        |                   |                     |                      |                       | SIE              | 260                          | 8.2                      |             |                          |                       |                          |                  |   |
| MG08SCA16TA  |                      | 16,000               | SIE/SED       |                   |                     | 275                  |                       | 9.2              |                              |                          |             |                          |                       |                          |                  |   |
| MG09SCA16TA  |                      | 16,000               | SIE/SED       |                   |                     | 281                  |                       | 9.2              |                              |                          |             |                          |                       |                          |                  |   |
| MG09SCA18TA  |                      | 18,000               | SIE/SED       |                   |                     | 281                  |                       | 9.2              |                              |                          |             |                          |                       |                          |                  |   |
| <b>ENTERPRISE CAPACITY HDD WITH SATA 6 GBIT/S INTERFACE – MAINSTREAM SERVER AND STORAGE, HYPERSCALE- AND CLOUD STORAGE</b> |                      |                      |               |                   |                     |                      |                       |                  |                              |                          |             |                          |                       |                          |                  |   |
| MG04ACA100N  | 3.5"                 | Air CMR              | 1,000         | 512n              | 7,200               | 128                  | SATA 6 Gbit/s         | SIE              | 204                          | 11.3                     | 1.4 mill.   | 1 in 10 <sup>15</sup>    | 24/7                  | 550                      | 5                |   |
| MG04ACA200N  |                      |                      | 2,000         |                   |                     |                      |                       | SIE              |                              |                          |             |                          |                       |                          |                  |   |
| MG04ACA400N  |                      |                      | 4,000         |                   |                     |                      |                       | SIE              |                              |                          |             |                          |                       |                          |                  |   |
| MG08ADA400N  |                      |                      | 4,000         | SIE/SED           | 233                 | 8.1                  | 2.0 mill.             |                  |                              |                          |             |                          |                       |                          |                  |   |
| MG04ACA200E  |                      |                      | 2,000         | SIE               | 184                 | 11.3                 | 1.4 mill.             |                  |                              |                          |             |                          |                       |                          |                  |   |
| MG04ACA400E  |                      |                      | 4,000         | SIE               | 194                 | 8.1                  | 2.0 mill.             |                  |                              |                          |             |                          |                       |                          |                  |   |
| MG08ADA400E  |                      |                      | 4,000         | SIE/SED           | 255                 | 8.1                  | 2.0 mill.             |                  |                              |                          |             |                          |                       |                          |                  |   |
| 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        | SIE/SED           | 249                 | 10.6                 | 1 in 10 <sup>15</sup> | 24/7             | 550                          | 5                        |             |                          |                       |                          |                  |   |
| MG07ACA12TE  |                      | 12,000               | SIE/SED       | 254               | 7.8                 |                      |                       |                  |                              |                          |             |                          |                       |                          |                  |   |
| MG07ACA14TE  |                      | 14,000               | SIE/SED       | 260               | 8.0                 |                      |                       |                  |                              |                          |             |                          |                       |                          |                  |   |
| MG08ACA14TE  |                      | 14,000               | SIE           | 260               | 7.7                 |                      |                       |                  |                              |                          |             |                          |                       |                          |                  |   |
| MG08ACA16TE  |                      | 16,000               | SIE/SED       | 275               |                     |                      |                       |                  |                              |                          |             |                          |                       |                          |                  |   |
| MG09ACA16TE  |                      | 16,000               | SIE/SED       | 281               |                     |                      |                       |                  |                              |                          |             |                          |                       |                          |                  |   |
| MG09ACA18TE  |                      | 18,000               | SIE/SED       | 281               | 8.3                 |                      |                       |                  |                              |                          |             |                          |                       |                          |                  |   |
| MG10ACA20TE  |                      | 20,000               | SIE/SED       | 281               | 9.3                 |                      |                       |                  |                              |                          |             |                          |                       |                          |                  |   |
| MG04ACA200A  |                      | 2,000                | Air CMR       | 2,000             | 4Kn                 | 7,200                | 128                   | SATA 6 Gbit/s    | SIE                          | 184                      | 11.3        | 1.4 mill.                | 1 in 10 <sup>15</sup> | 24/7                     | 550              | 5 |
| MG04ACA400A  |                      | 4,000                |               | SIE               |                     |                      |                       |                  | 194                          |                          |             |                          |                       |                          |                  |   |
| MG08ADA400A  |                      | 4,000                |               | SIE/SED           |                     |                      |                       |                  | 255                          |                          |             |                          |                       |                          |                  |   |
| 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                 | 1 in 10 <sup>15</sup> | 24/7             | 550                          | 5                        |             |                          |                       |                          |                  |   |
| MG07ACA12TA  |                      | 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               |                     |                      |                       |                  |                              |                          |             |                          |                       |                          |                  |   |
| MG09ACA16TA  | 16,000               | SIE/SED              | 281           |                   |                     |                      |                       |                  |                              |                          |             |                          |                       |                          |                  |   |
| MG09ACA18TA  | 18,000               | SIE/SED              | 281           | 8.3               |                     |                      |                       |                  |                              |                          |             |                          |                       |                          |                  |   |
| MG10ACA20TA  | 20,000               | SIE/SED              | 281           | 9.3               |                     |                      |                       |                  |                              |                          |             |                          |                       |                          |                  |   |

- „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.