

TOSHIBA



AL Series Enterprise Performance Hard Drives



[View more](#)





Enterprise-class performance

Toshiba's Enterprise Performance Hard Drive – AL Series delivers high storage densities with rapid data transfer speed, backed up by a 5-year warranty. You can trust the AL Series to deliver day in and day out, 24/7, even in the most demanding high-performance server and storage systems. Especially when traffic is high, the hard drives have the speed needed to perform simultaneous transactions smoothly and efficiently.

Use for

- Mission-Critical Enterprise Server and Storage Systems
- Business Database Server with High Workloads
- Big Data Analytics
- Virtualized Storage Systems

Top Features

- SAS** 2.5" SAS Hard Drive
- 24/7** 24/7 operation
-  Unlimited workload (TB/year)
- MTTF** MTTF of 2 mill. hours
-  Persistent Write Cache Technology
-  Flexibility in block size and SIE and SED options
-  5-year warranty

Capacities

2400 GB	1800 GB	1200 GB
900 GB	600 GB	300 GB



AL Series

Enterprise Hard Drive – 2400 GB

Performance HDD (10k rpm) for Servers and Storage – Mission Critical Business Database and High Performance Storages

Model Number	AL15SEB24EP AL15SEB24EQ
--------------	---------------------------

Basic Specifications

Fill Gas & Recording	Air CMR
Capacity (GB)	2,400
Block Size (Byte)	4Kn 512e
Buffer Size (MiByte)	128
Interface	SAS 12 Gbit/s
Security Options	SIE/SED

Performance

Data Rate (sustained) (MB/s)	273
Operating Power (W) typ.	8.7 W typ.

Reliability

MTTF (hours)	2.0 mill.
Unrecoverable error rate	1 in 10^16

AL Series

Enterprise Hard Drive – 1800 GB

Performance HDD (10k rpm) for Servers and Storage – Mission Critical Business Database and High Performance Storages

Model Number	AL15SEB18EP AL15SEB18EQ
--------------	---------------------------

Basic Specifications

Fill Gas & Recording	Air CMR
Capacity (GB)	1,800
Block Size (Byte)	4Kn 512e
Buffer Size (MiByte)	128
Interface	SAS 12 Gbit/s
Security Options	SIE/SED

Performance

Data Rate (sustained) (MB/s)	273
Operating Power (W) typ.	8.1 W typ.

Reliability

MTTF (hours)	2.0 mill.
Unrecoverable error rate	1 in 10^16

AL Series

Enterprise Hard Drive – 1200 GB

Performance HDD (10k rpm) for Servers and Storage – Mission Critical Business Database and High Performance Storages

Model Number	AL15SEB12EP AL15SEB12EQ AL15SEB120N
--------------	---

Basic Specifications

Fill Gas & Recording	Air CMR
Capacity (GB)	1,200
Block Size (Byte)	4Kn 512e 512n
Buffer Size (MiByte)	128
Interface	SAS 12 Gbit/s
Security Options	SIE/SED

Performance

Data Rate (sustained) (MB/s)	273 273 245
Operating Power (W) typ.	8.7 W typ. 8.7 W typ. 8.1 W typ.

Reliability

MTTF (hours)	2.0 mill.
Unrecoverable error rate	1 in 10 ¹⁶

AL Series

Enterprise Hard Drive – 900 GB

Highest Performance HDD (15k rpm) for Servers – Business Database, Online Transaction, High Performance Computing

Model Number	AL14SXB90EA AL14SXB90EE AL14SXB90EN
--------------	---

Basic Specifications

Fill Gas & Recording	Air CMR
Capacity (GB)	900
Block Size (Byte)	4Kn 512e 512n
Buffer Size (MiByte)	128
Interface	SAS 12 Gbit/s
Security Options	SIE/SED

Performance

Data Rate (sustained) (MB/s)	304 304 272
Operating Power (W) typ.	9.0 W typ.

Reliability

MTTF (hours)	2.0 mill.
Unrecoverable error rate	1 in 10^16

Performance HDD (10k rpm) for Servers and Storage – Mission Critical Business Database and High Performance Storages

Model Number	AL15SEB09EP AL15SEB09EQ AL15SEB090N
--------------	---

Basic Specifications

Fill Gas & Recording	Air CMR
Capacity (GB)	900
Block Size (Byte)	4Kn 512e 512n
Buffer Size (MiByte)	128
Interface	SAS 12 Gbit/s
Security Options	SIE/SED

Performance

Data Rate (sustained) (MB/s)	273 273 245
Operating Power (W) typ.	7.0 W typ.

Reliability

MTTF (hours)	2.0 mill.
Unrecoverable error rate	1 in 10^16

AL Series

Enterprise Hard Drive – 600 GB

Highest Performance HDD (15k rpm) for Servers – Business Database, Online Transaction, High Performance Computing

Model Number	AL14SXB60EA AL14SXB60EE AL14SXB60EN
--------------	---

Basic Specifications

Fill Gas & Recording	Air CMR
Capacity (GB)	600
Block Size (Byte)	4Kn 512e 512n
Buffer Size (MiByte)	128
Interface	SAS 12 Gbit/s
Security Options	SIE/SED

Performance

Data Rate (sustained) (MB/s)	304 304 272
Operating Power (W) typ.	9.0 W typ.

Reliability

MTTF (hours)	2.0 mill.
Unrecoverable error rate	1 in 10^16

Performance HDD (10k rpm) for Servers and Storage – Mission Critical Business Database and High Performance Storages

Model Number	AL15SEB06EP AL15SEB06EQ AL15SEB060N
--------------	---

Basic Specifications

Fill Gas & Recording	Air CMR
Capacity (GB)	600
Block Size (Byte)	4Kn 512e 512n
Buffer Size (MiByte)	128
Interface	SAS 12 Gbit/s
Security Options	SIE/SED

Performance

Data Rate (sustained) (MB/s)	273 273 245
Operating Power (W) typ.	6.5 W typ. 6.5 W typ. 7.0 W typ.

Reliability

MTTF (hours)	2.0 mill.
Unrecoverable error rate	1 in 10^16

AL Series

Enterprise Hard Drive – 300 GB

Highest Performance HDD (15k rpm) for Servers – Business Database, Online Transaction, High Performance Computing

Model Number	AL14SXB30EA AL14SXB30EE AL14SXB30EN
--------------	---

Basic Specifications

Fill Gas & Recording	Air CMR
Capacity (GB)	300
Block Size (Byte)	4Kn 512e 512n
Buffer Size (MiByte)	128
Interface	SAS 12 Gbit/s
Security Options	SIE/SED

Performance

Data Rate (sustained) (MB/s)	304 304 272
Operating Power (W) typ.	9.0 W typ.

Reliability

MTTF (hours)	2.0 mill.
Unrecoverable error rate	1 in 10^16

Performance HDD (10k rpm) for Servers and Storage – Mission Critical Business Database and High Performance Storages

Model Number	AL15SEB030N
--------------	-------------

Basic Specifications

Fill Gas & Recording	Air CMR
Capacity (GB)	300
Block Size (Byte)	512n
Buffer Size (MiByte)	128
Interface	SAS 12 Gbit/s
Security Options	SIE/SED

Performance

Data Rate (sustained) (MB/s)	236
Operating Power (W) typ.	6.5 W typ.

Reliability

MTTF (hours)	2.0 mill.
Unrecoverable error rate	1 in 10^16