



AL Series

Enterprise Performance HDD

Use for:

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

- Low Latency
- Unlimited 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		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							
HIGHEST PERFORMANCE HDD (15K RPM) FOR SERVERS – BUSINESS DATABASE, ONLINE TRANSACTION, HIGH PERFORMANCE COMPUTING																		
AL13SXB300N	2.5"	Air	300	512n	15,000	64	SAS 6 Gbit/s	–	2.0	2.7	3.0	228	9.0	2.0 mill.	1 in 10 ¹⁶	24/7	unlimited	5
AL13SXB450N			450															
AL13SXB600N			600															
AL13SXB30EN			300	512n	15,000	128	SAS 12 Gbit/s	–	2.0	2.7	2.95	239	8.7	2.0 mill.	1 in 10 ¹⁶	24/7	unlimited	5
AL13SXB45EN			450															
AL13SXB60EN			600															
AL13SXB30EE			300	512e	15,000	128	SAS 12 Gbit/s	–	2.0	2.7	2.95	255	8.7	2.0 mill.	1 in 10 ¹⁶	24/7	unlimited	5
AL13SXB45EE			450															
AL13SXB60EE			600															
AL13SXB30EA			300	4Kn	15,000	128	SAS 12 Gbit/s	–	2.0	2.7	2.95	255	8.7	2.0 mill.	1 in 10 ¹⁶	24/7	unlimited	5
AL13SXB45EA			450															
AL13SXB60EA			600															

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HIGHEST PERFORMANCE HDD (15K RPM) FOR SERVERS – BUSINESS DATABASE, ONLINE TRANSACTION, HIGH PERFORMANCE COMPUTING																														
AL14SXB30EN	2.5"	Air	300	512n	15,000	128	SAS 12 Gbit/s	SIE/SED	2.0	2.95	3.25	273	9.0	2.0 mill.	1 in 10 ¹⁶	24/7	unlimited	5												
AL14SXB60EN			600																											
AL14SXB90EN			900																											
AL14SXB30EE			300	512e	15,000	128	SAS 12 Gbit/s	SIE/SED	2.0	2.95	3.25	304	9.0	2.0 mill.	1 in 10 ¹⁶	24/7	unlimited	5												
AL14SXB60EE			600																											
AL14SXB90EE			900																											
AL14SXB30EA			300	4Kn	15,000	128	SAS 12 Gbit/s	SIE/SED	2.0	2.95	3.25	304	9.0	2.0 mill.	1 in 10 ¹⁶	24/7	unlimited	5												
AL14SXB60EA			600																											
AL14SXB90EA	900																													
HIGHEST PERFORMANCE HDD (10K RPM) FOR SERVERS – BUSINESS DATABASE, ONLINE TRANSACTION, HIGH PERFORMANCE COMPUTING																														
AL14SEB030N	2.5"	Air	300	512n	10,500	128	SAS 12 Gbit/s	SIE/SED/ FIPS	2.86	3.5	3.9	215	8.7	2.0 mill.	1 in 10 ¹⁶	24/7	unlimited	5												
AL14SEB045N			450							3.7	4.1																			
AL14SEB060N			600																											
AL14SEB090N			900																											
AL14SEB120N			1,200	512e	10,500	128	SAS 12 Gbit/s	SIE/SED/ FIPS	2.86	3.7	4.1	237	7.8	2.0 mill.	1 in 10 ¹⁶	24/7	unlimited	5												
AL14SEB06EQ			600							4.0	4.4																			
AL14SEB09EQ			900																											
AL14SEB12EQ			1,200																											
AL14SEB18EQ			1,800	4Kn	10,500	128	SAS 12 Gbit/s	SIE/SED/ FIPS	2.86	3.7	4.1	237	7.8	2.0 mill.	1 in 10 ¹⁶	24/7	unlimited	5												
AL14SEB06EP			600							4.0	4.4																			
AL14SEB09EP			900																											
AL14SEB12EP			1,200																											
AL14SEB18EP			1,800																											
PERFORMANCE HDD (10K RPM) FOR SERVERS AND STORAGE – MISSION CRITICAL BUSINESS DATABASE AND HIGH PERFORMANCE STORAGES																														
AL15SEB030N	2.5"	Air	300	512n	10,500	128	SAS 12 Gbit/s	SIE/SED	2.86	4.2	4.6	236	6.5	2.0 mill.	1 in 10 ¹⁶	24/7	unlimited	5												
AL15SEB060N			600									245	7.0																	
AL15SEB090N			900										7.0																	
AL15SEB120N			1,200										8.1																	
AL15SEB06EQ			600	512e	10,500	128	SAS 12 Gbit/s	SIE/SED	2.86	4.2	4.6	273	6.5	2.0 mill.	1 in 10 ¹⁶	24/7	unlimited	5												
AL15SEB09EQ			900										7.0																	
AL15SEB12EQ			1,200										7.0																	
AL15SEB18EQ			1,800										8.1																	
AL15SEB24EQ			2,400	4Kn	10,500	128	SAS 12 Gbit/s	SIE/SED	2.86	4.2	4.6	273	8.7	2.0 mill.	1 in 10 ¹⁶	24/7	unlimited	5												
AL15SEB06EP			600										6.5																	
AL15SEB09EP			900										7.0																	
AL15SEB12EP			1,200										7.0																	
AL15SEB18EP			1,800										8.1																	
AL15SEB24EP			2,400										8.7																	

- „2.5-inch“ and „3.5-inch“ mean the form factor of HDDs. They do not indicate drive's physical size.
- DWPD (Drive Write Per Day): One full drive write per day means the drive can be written and re-written to full capacity once a day every day for five years, the stated product warranty period. Actual results may vary due to system configuration, usage and other factors.
- OPS: 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.

Toshiba Electronics Europe GmbH
Hansaallee 181
40549 Düsseldorf, Germany

Further information
toshiba-storage.com