

# Compatibility Guide



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## Toshiba AL13SE Series

AL13SEB300      AL13SEB450      AL13SEB600      AL13SEB900

Hard Disk Drives 300, 450, 600, and 900GB\*  
2.5-Inch / 10,500 RPM / SAS

Exclusively for the distribution channel, Toshiba's Test Lab performs interoperability testing to ensure compatibility between Toshiba's storage products with third party partners' products such as host bus adaptors, controller cards, enclosures and systems.

Toshiba is involved in numerous standards committees and expects its storage products to work with other combinations of industry standard hardware and software that may not have been tested in the TestLab. Please contact Toshiba [if you have](#) specific questions or request for testing.

### Additional Test Lab Services

In addition to interoperability testing, the FACT Lab can also offer the following:

- Assist in performing joint qualification testing of customer-unique requirements
- Perform problem duplication and resolution of related issues in complete systems
- Perform compatibility testing of new Toshiba products and new firmware releases

## Systems

*Toshiba AL13SE series hard disk drives have been tested and are compatible with the following systems:*

Infortrend ESDS B12E-G2140-4	Infortrend ESDS S12F-G2840-4	Infortrend ESDS S16S-G2240
Infortrend ESDS B12E-R2140-4	Infortrend ESDS S12F-G2840N	Infortrend ESDS S16S-G2240-4
Infortrend ESDS B12F-G2840-4	Infortrend ESDS S12F-R1440	Infortrend ESDS S16S-G2242-4
Infortrend ESDS B12F-R2840-4	Infortrend ESDS S12F-R1840-4	Infortrend ESDS S16S-J2000-R
Infortrend ESDS B12S-G2240	Infortrend ESDS S12F-R2840-4	Infortrend ESDS S16S-J2000-S
Infortrend ESDS B12S-J1000-G	Infortrend ESDS S12F-R2840N	Infortrend ESDS S16S-R2240
Infortrend ESDS B12S-J1000-R	Infortrend ESDS S12S-G2240	Infortrend ESDS S16S-R2240-4
Infortrend ESDS B12S-J2000-G	Infortrend ESDS S12S-G2240-4	Infortrend ESDS S16S-R2242-4
Infortrend ESDS B12S-J2000-R	Infortrend ESDS S12S-J2000-G	Infortrend ESDS S24E-G2142-6
Infortrend ESDS B12S-R2240	Infortrend ESDS S12S-J2000-R	Infortrend ESDS S24F-G1440
Infortrend ESDS B24E-G2142-6	Infortrend ESDS S12S-R2240	Infortrend ESDS S24F-G1840-4
Infortrend ESDS B24E-R2142-6	Infortrend ESDS S12S-R2240-4	Infortrend ESDS S24F-G2840-4
Infortrend ESDS B24F-G2840-4	Infortrend ESDS S16E-G1140-4	Infortrend ESDS S24F-R1440
Infortrend ESDS B24F-G2842-6	Infortrend ESDS S16E-G2142-6	Infortrend ESDS S24F-R1840-4
Infortrend ESDS B24F-R2840-4	Infortrend ESDS S16E-G2240	Infortrend ESDS S24F-R2840-4
Infortrend ESDS B24F-R2842-6	Infortrend ESDS S16E-R1140-4	Infortrend ESDS S24S-G2240
Infortrend ESDS B24S-G2240	Infortrend ESDS S16E-R2142-6	Intel H2216JFFJR
Infortrend ESDS B24S-G2242-4	Infortrend ESDS S16E-R2240	Intel H2216JFFKR
Infortrend ESDS B24S-J2000-R	Infortrend ESDS S16F-G1440	Intel H2216JFJR
Infortrend ESDS B24S-J2000-S	Infortrend ESDS S16F-G1840-4	Intel H2216JFKR
Infortrend ESDS B24S-R2240	Infortrend ESDS S16F-G2840-4	Intel H2216JFQJR
Infortrend ESDS B24S-R2242-4	Infortrend ESDS S16F-G2842-6	Intel H2216JFQKR
Infortrend ESDS S04S-G2240	Infortrend ESDS S16F-R1440	Intel H2216LPJR
Infortrend ESDS S12E-G1140-2	Infortrend ESDS S16F-R1840-4	Intel H2216WPFJR
Infortrend ESDS S12F-G1440	Infortrend ESDS S16F-R2840-4	Intel H2216WPFKR
Infortrend ESDS S12F-G1842-4	Infortrend ESDS S16F-R2842-6	Intel H2216WPJR

## Systems (continued)

Intel H2216WPKR	Intel R1208JP4TC	Intel R2224BB4GCSAS
Intel H2216WPQJR	Intel R1208RP0SH0R	Intel R2224GZ4GC4
Intel H2216WPQKR	Intel R1208RPM5H0R	Intel R2224GZ4GCSAS
Intel H2312JFJR	Intel R1304BB4DC	Intel R2224IP4LHPC
Intel H2312JFQJR	Intel R1304BB4GS9	Intel R2304LH2HKC
Intel H2312JFQKR	Intel R1304BTLSFANR	Intel R2308BB4GC
Intel H2312LPJR	Intel R1304BTLSHBNR	Intel R2308BB4GC
Intel H2312WPJR	Intel R1304EP2SFFN	Intel R2308GL4DS9
Intel H2312WPKR	Intel R1304EP2SHFN	Intel R2308GL4GS
Intel H2312WPQJR	Intel R1304GL4DS9	Intel R2308GZ4GC
Intel H2312WPQKR	Intel R1304GZ4GC	Intel R2308GZ4GS9
Intel JBOD2224S2DP	Intel R1304GZ4GS9	Intel R2308IP4LHPC
Intel JBOD2312S2SP	Intel R1304JP40C	Intel R2308SC2SHDR
Intel P4208CP4MHGC	Intel R1304JP4GS	Intel R2308SC2SHFN
Intel P4208IP4LHGC	Intel R1304JP4TC	Intel R2312BB4GCSAS
Intel P4216IP4LHJC	Intel R1304RP0SHBN	Intel R2312BB4GS9
Intel P4216IP4LHKC	Intel R1304RPM5H0R	Intel R2312GL4GS
Intel P4224IP4LHKC	Intel R1304RPSSFBN	Intel R2312GZ4GC4
Intel P4304BTLSF0NR	Intel R1304SP2SFBN	Intel R2312GZ4GCSAS
Intel P4304BTLSH0NR	Intel R1304SP2SH0C	Intel R2312GZ4GS9
Intel P4304BTSSF0NR	Intel R1308GZ4GC	Intel R2312SC2SHGR
Intel P4304SC2SFEN	Intel R2000BB4GS9	Intel R231GL4GS
Intel P4304SC2SHDR	Intel R2208BB4GC	Intel R231GZ4GC4
Intel P4308CP4MHEN	Intel R2208BB4GS9	Intel SR1630GPRX
Intel P4308CP4MHGC	Intel R2208GL40S9	Promise Vess J2600sD
Intel P4308IP4LHJC	Intel R2208GL4DS9	Promise Vess J2600sS
Intel P4308RPLSHDR	Intel R2208GL4GS	Promise Vess R2600fiD
Intel R1208BB4DC	Intel R2208GZ4GC	Promise Vess R2600fis
Intel R1208BB4GS9	Intel R2208GZ4GS9	Promise Vess R2600iD
Intel R1208EP2SHFN	Intel R2208GZ4IS	Promise Vess R2600is
Intel R1208GL4DS	Intel R2208IP4LHPC	Supermicro Server Sys. with LSI2308
Intel R1208GZ4GC	Intel R2208LH2HKC2	Supermicro Server Sys. with LSI2208
Intel R1208GZ4GCSAS	Intel R2208LT2HKC4	Supermicro Server Sys. with LSI2108
Intel R1208GZ4GS9	Intel R2216BB4GC	Supermicro Server Sys. with LSI2008
Intel R1208JP40C	Intel R2216GZ4GC	Supermicro Server Sys. with C600 SAS
Intel R1208JP4GS	Intel R2216GZ4GCLX	Supermicro F617R2-FT

## Operating Systems

*Toshiba AL13SE series hard disk drives have been tested and are compatible with the following operating systems:*

Windows Server 2003 x64  
Windows Server 2008 R2 x64  
Windows Server 2012 family, x64  
Red Hat Linux x86 x64 ver. 6.1  
SuSE Linux 11 x64 SP2

## Storage Management

*Toshiba AL13SE series hard disk drives have been tested and are compatible with the following storage management solutions:*

Nexenta NexentaStor™

## Enclosures

*Toshiba AL13SE series hard disk drives have been tested and are compatible with the following enclosures*

Intel H2312XXKR  
Intel H2216XXKR

## SAS2 Expanders

*Toshiba AL13SE series hard disk drives have been tested and are compatible with the following SAS2 expanders*

Supermicro BPN-SAS2-216EL1/EL2  
with AOC-S2208L-H8IR/AOC-S2308L-L8I

## HBAs, RAID Controllers, and Clustering Solutions

*Toshiba AL13SE series hard disk drives have been tested and are compatible with the following HBAs and RAID controllers:*

Adaptec 6805Q with maxCache 2.0	Intel RS2MB044	LSI MegaRAID SAS 9286-8eCC
Adaptec 6805TQ with maxCache 2.0	Intel RS2PI008	LSI MegaRAID SAS 9286CV-8e
Adaptec 71605Q with maxCache 3.0	Intel RS2PI008DE	LSI MegaRAID SAS 9341-4i
Adaptec 7805Q with maxCache 3.0	Intel RS2SG244SNGL	LSI MegaRAID SAS 9341-8i
Adaptec RAID 6405	Intel RS2VB040	LSI MegaRAID SAS 9361-4i
Adaptec RAID 6405E	Intel RS2VB080	LSI MegaRAID SAS 9361-8i
Adaptec RAID 6405T	Intel RS2WC040	LSI MegaRAID SAS 9381-4i
Adaptec RAID 6445	Intel RS2WC080	LSI MegaRAID SAS 9381-8i
Adaptec RAID 6805	Intel RS2WG160	LSI Nytro MegaRAID NMR 8110-4e
Adaptec RAID 6805E	LSI MegaRAID SAS 9240-4i	LSI Nytro MegaRAID NMR 8120-4e
Adaptec RAID 6805T	LSI MegaRAID SAS 9240-8i	LSI Nytro MegaRAID NMR 8140-8e8i
Adaptec RAID 70165	LSI MegaRAID SAS 9260-16i	
Adaptec RAID 71605	LSI MegaRAID SAS 9260-4i	LSI SAS 9200-8e
Adaptec RAID 71605E	LSI MegaRAID SAS 9260-8i	LSI SAS 9201-16e
Adaptec RAID 71685	LSI MegaRAID SAS 9260CV-4i	LSI SAS 9201-16i
Adaptec RAID 72405	LSI MegaRAID SAS 9260CV-8i	LSI SAS 9205-8e
Adaptec RAID 7805	LSI MegaRAID SAS 9260DE-8i	LSI SAS 9206-16e
ATTO Tech ExpressSAS R680	LSI MegaRAID SAS 9261-8i	LSI SAS 9207-4i4e
ATTO Tech ExpressSAS R608	LSI MegaRAID SAS 9265-8i	LSI SAS 9207-8e
ATTO Tech ExpressSAS R60F	LSI MegaRAID SAS 9266-4i	LSI SAS 9207-8i
ATTO Tech ExpressSAS R644	LSI MegaRAID SAS 9266-8i	LSI SAS 9211-4i
ATTO Tech ExpressSAS H608	LSI MegaRAID SAS 9270-8i	LSI SAS 9211-8i
ATTO Tech ExpressSAS H6F0	LSI MegaRAID SAS 9271-4i	LSI SAS 9212-4i4e
ATTO Tech ExpressSAS H6F0 GT	LSI MegaRAID SAS 9271-8i	LSI SAS 9300-4i
ATTO Tech ExpressSAS H644	LSI MegaRAID SAS 9271-8iCC	LSI SAS 9300-4i4e
ATTO Tech ExpressSAS H680	LSI MegaRAID SAS 9280-16i4e	LSI SAS 9300-8e
ATTO Tech ExpressSAS H60F	LSI MegaRAID SAS 9280-24i4e	LSI SAS 9300-8i
Intel RS25DB080	LSI MegaRAID SAS 9280-4i4e	LSI SAS 9311-4i4e
Intel RS25NB008	LSI MegaRAID SAS 9280-8e	LSI SAS 9311-8i
Intel RS2BL040	LSI MegaRAID SAS 9280DE-8e	LSI Syncro CS 9271-8i
Intel RS2BL080	LSI MegaRAID SAS 9285-8e	LSI Syncro CS 9286-8e
Intel RS2BL080DE	LSI MegaRAID SAS 9285CV-8e	PMC PM8001 Tachyon SPC 8x6G
Intel RS2BL080SNGL	LSI MegaRAID SAS 9286-8e	

\*One Terabyte (1TB) = 1,000 Gigabytes (GB). One Gigabyte (1GB) means  $10^9 = 1,000,000,000$  bytes using powers of 10. A computer operating system, however, reports storage capacity using powers of 2 for the definition of  $1\text{GB} = 2^{30} = 1,073,741,824$  bytes, and therefore shows less storage capacity. Available storage capacity will also be less if the computer includes one or more pre-installed operating systems, pre-installed software applications, or media content. Actual formatted capacity may vary.

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