

Compatibility Guide



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Toshiba MG03ACA Series

MG03ACA100 MG03ACA200 MG03ACA300 MG03ACA400

Hard Disk Drives 1TB, 2TB, 3TB and 4TB*
3.5-Inch / 7,200 RPM / SATA

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 Test Lab. Please contact Toshiba's [if you have](#) specific questions or request for testing.

Additional Test Lab Services

In addition to interoperability testing, the Test 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

Operating Systems

Toshiba MG03ACA 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
Windows Server 2012 R2, x64
Red Hat Linux x86 x64 ver. 6.1
SuSE Linux 11 x64 SP2

Storage Management

Toshiba MG03ACA series hard disk drives have been tested and are compatible with the following storage management

Nexenta NexentaStor™ 3.0 and above

Enclosures and Chassis

Toshiba MG03ACA series hard disk drives have been tested and are compatible with the following enclosures and chassis:

Drobo	Intel MFSYS35**
Drobo 1200i	Intel SC5299UP**
Drobo 5D	Intel SC5600BASE**
Drobo 5N	Intel SC5600BASE**
Drobo 800fs	Intel SC5600BRP**
Drobo 800i	Intel SC5600LX**
Intel SC5650WS**	Intel SC5650BRP**
Intel H2216XXKR**	Intel SC5650BRP**
Intel H2312XXJR**	Intel SC5650DP**
Intel H2312XXKR**	Intel SC5650DP**

HBAs, RAID Controllers, and Clustering Solutions

Toshiba MG03ACA series hard disk drives have been tested and are compatible with the following HBAs and RAID controllers:

Adaptec 6805Q with maxCache 2.0**	Adaptec RAID 6405E**	Adaptec RAID 71605E**
Adaptec 6805TQ with maxCache 2.0**	Adaptec RAID 6405T**	Adaptec RAID 71685**
Adaptec 71605Q with maxCache 3.0**	Adaptec RAID 6445**	Adaptec RAID 72405**
Adaptec 7805Q with maxCache 3.0**	Adaptec RAID 6805**	Adaptec RAID 7805**
Adaptec RAID 6405**	Adaptec RAID 6805E**	Areca ARC-1800IX-24**
	Adaptec RAID 70165**	Areca ARC-1882x**
	Adaptec RAID 6805T**	Areca ARC-1882LP**
	Adaptec RAID 71605**	Areca ARC-1882IX-24**

HBA, RAID Controllers, and Clustering Solutions (continued)

Areca ARC-1882-ix-16**	Intel RS2WC040	LSI MegaRAID SAS 9381-4i
Areca ARC-1882-ix-12**	Intel RS2WC080	LSI MegaRAID SAS 9381-8i
Areca ARC-1882I**	Intel RS2WG160	LSI Nytro MegaRAID NMR 8100-4i
Areca ARC-1882IX-24**	LSI MegaRAID SAS 9240-4i	LSI Nytro MegaRAID NMR 8110-4e
Areca ARC-1882-ix-16**	LSI MegaRAID SAS 9240-8i	LSI Nytro MegaRAID NMR 8110-4i
Areca ARC-1882-ix-12**	LSI MegaRAID SAS 9260-16i	LSI Nytro MegaRAID NMR 8120-4e
Areca ARC-1880ixl-8**	LSI MegaRAID SAS 9260-4i	LSI Nytro MegaRAID NMR 8120-4i
Areca ARC-1880ixl-12**	LSI MegaRAID SAS 9260-8i	LSI Nytro MegaRAID NMR 8140-8e8i
ATTO Tech ExpressSAS R680	LSI MegaRAID SAS 9260CV-4i	LSI SAS 9200-8e
ATTO Tech ExpressSAS R608	LSI MegaRAID SAS 9260CV-8i	LSI SAS 9201-16e
ATTO Tech ExpressSAS R60F	LSI MegaRAID SAS 9260DE-8i	LSI SAS 9201-16i
ATTO Tech ExpressSAS R644	LSI MegaRAID SAS 9261-8i	LSI SAS 9205-8e
ATTO Tech ExpressSAS H608	LSI MegaRAID SAS 9265-8i	LSI SAS 9206-16e
ATTO Tech ExpressSAS H6F0	LSI MegaRAID SAS 9266-4i	LSI SAS 9206-16e
ATTO Tech ExpressSAS H6F0 GT	LSI MegaRAID SAS 9266-8i	LSI SAS 9207-4i4e
ATTO Tech ExpressSAS H644	LSI MegaRAID SAS 9270-8i	LSI SAS 9207-8e
ATTO Tech ExpressSAS H680	LSI MegaRAID SAS 9271-4i	LSI SAS 9207-8i
ATTO Tech ExpressSAS H60F	LSI MegaRAID SAS 9271-8i	LSI SAS 9211-4i
Intel RS25DB080	LSI MegaRAID SAS 9271-8iCC	LSI SAS 9211-8i
Intel RS25NB008	LSI MegaRAID SAS 9280-16i4e	LSI SAS 9212-4i4e
Intel RS2BL040	LSI MegaRAID SAS 9280-24i4e	LSI SAS 9300-4i
Intel RS2BL080	LSI MegaRAID SAS 9280-4i4e	LSI SAS 9300-4i4e
Intel RS2BL080DE	LSI MegaRAID SAS 9280-8e	LSI SAS 9300-8e
Intel RS2BL080SNGL	LSI MegaRAID SAS 9280DE-8e	LSI SAS 9300-8i
Intel RS2MB044	LSI MegaRAID SAS 9285-8e	LSI SAS 9311-4i4e
Intel RS2PI008	LSI MegaRAID SAS 9285CV-8eLSI	LSI SAS 9311-8i
Intel RS2PI008DE	LSI MegaRAID SAS 9341-4i	LSI Syncro CS 9271-8i
Intel RS2SG244SNGL	LSI MegaRAID SAS 9341-8i	LSI Syncro CS 9286-8e
Intel RS2VB040	LSI MegaRAID SAS 9361-4i	PMC PM8001 Tachyon SPC 8x6G
Intel RS2VB080	LSI MegaRAID SAS 9361-8i	

Systems

Toshiba MG03ACA series hard disk drives have been tested and are compatible with the following systems:

Accusys ExaSAN AL12S2-PS**	Intel H2216WPKR	Intel H2312WPKR
Intel P4304BTLSFCN	Intel H2216WPQJR	Intel H2312WPKR
Intel H2216JFFJR	Intel H2216WPQKR	Intel H2312WPQJR
Intel H2216JFFKR	Intel H2312JFFJR	Intel H2312WPQKR
Intel H2216JFJR	Intel H2312JFFKR	Intel JBOD2224S2DP
Intel H2216JFKR	Intel H2312JFJR	Intel JBOD2312S2SP
Intel H2216JFQJR	Intel H2312JFKR	Intel P4208IP4LHGC
Intel H2216JFQKR	Intel H2312JFQJR	Intel P4216IP4LHJC
Intel H2216LPJR	Intel H2312JFQKR	Intel P4216IP4LHKC
Intel H2216WPFJR	Intel H2312LPJR	Intel P4304BTLSF0NR
Intel H2216WPFKR	Intel H2312WPFJR	Intel P4304BTLSH0NR
Intel H2216WPJR	Intel H2312WPJR	Intel P4304BTLSHCN

Systems (continued)

Intel P4304BTSSF0NR	Intel R1304RPSSFBN	Intel S3420GPV
Intel P4304BTSSF0CN	Intel R1304SP2SFBN	Intel SC5650BCDPR
Intel P4304CR2LFGN	Intel R1304SP2SHOC	Intel SC5650HCBRPR
Intel P4304CR2LFJN	Intel R1304SP2SHBN	Intel SC5650SCWS
Intel P4304CR2LFKN	Intel R1304SP2SHOC	Intel SR1530HSH
Intel P4304FP2SHDR	Intel R1304SP4SHOC	Intel SR1530SH
Intel P4304GP2MHDR	Intel R1308GZ4GC	Intel SR1600URHSR
Intel P4304SC2SFEN	Intel R2000BB4GS9	Intel SR1600URR
Intel P4304SC2SHDR	Intel R2208BB4GC	Intel SR1630BC
Intel P4304XXSFCN	Intel R2208BB4GS9	Intel SR1630GP
Intel P4304XXSHCN	Intel R2208GL40S9	Intel SR1630GPRX
Intel P4308CP4MHEN	Intel R2208GL4GS	Intel SR1630HGP
Intel P4308CP4MHGC	Intel R2208GZ4GC	Intel SR1630HGPRX
Intel P4308GP2MHGC	Intel R2208GZ4GS9	Intel SR1640TH
Intel P4308IP4LHGC	Intel R2208GZ4IS	Intel SR1690WBR
Intel P4308IP4LHJC	Intel R2208IP4LHPC	Intel SR1695GPRX1AC
Intel P4308IP4LHKC	Intel R2216BB4GC	Intel SR1695GPRX2AC
Intel P4308RPLSHDR	Intel R2216GZ4GCLX	Intel SR1695WBAC
Intel P4308SC2MHGC	Intel R2216GZ4GCLX	Intel SR1695WBDC
Intel R1208BB4DC	Intel R2224BB4GCSAS	Intel SR2600URBRPR
Intel R1208BB4GS9	Intel R2224GZ4GC4	Intel SR2600URLXR
Intel R1208GL4DS	Intel R2224GZ4GCSAS	Intel SR2600URSATAR
Intel R1208GZ4GCSAS	Intel R2224IP4LHPC	Intel SR2612URR
Intel R1208GZ4GS9	Intel R2304LH2HKC	Netgear ReadyNAS RN2120
Intel R1208JP40C	Intel R2308BB4GC	Netgear ReadyNAS RN312
Intel R1208JP4GS	Intel R2308GL4DS9	Netgear ReadyNAS RN314
Intel R1208JP4TC	Intel R2308GL4GS	Netgear ReadyNAS RN316
Intel R1208RP0SH0R	Intel R2308GL4GS	Netgear ReadyNAS RN516
Intel R1208RPM0SH0R	Intel R2308GZ4GC	Promise Vess A2200**
Intel R1304BB4DC	Intel R2308GZ4GS9	Promise Vess A2200s**
Intel R1304BB4GS9	Intel R2308IP4LHPC	Promise Vess A2600**
Intel R1304BTLSFAN	Intel R2308SC2SHDR	Promise Vess A2600s**
Intel R1304BTLSFANR	Intel R2308SC2SHFN	Promise VessJBOD 1730**
Intel R1304BTLSHBN	Intel R2312BB4GS9	Promise VessJBOD 1740**
Intel R1304BTLSHBNR	Intel R2312GL4GS	Promise VessJBOD 1830**
Intel R1304BTSSFAN	Intel R2312GZ4GC	Promise VessJBOD 1840**
Intel R1304EP2SFFN	Intel R2312GZ4GCSAS	Promise VessJBOD 1840+**
Intel R1304EP2SHFN	Intel R2312GZ4GS9	Promise VessRAID 1720i**
Intel R1304EP2SHOC	Intel R2312IP4LHPC	Promise VessRAID 1730i**
Intel R1304GZ4GC	Intel R2312SC2SHGR	Promise VessRAID 1730s**
Intel R1304GZ4GS9	Intel R231GL4GS	Promise VessRAID 1740i**
Intel R1304JP40C	Intel R231GZ4GC4	Promise VessRAID 1740s**
Intel R1304JP4GS	Intel S1200BTL	Promise VessRAID 1820i**
Intel R1304JP4TC	Intel S1200BTS	Promise VessRAID 1830i**
Intel R1304RP0SHBN	Intel S3420GPLC	Promise VessRAID 1830s**
Intel R1304RPM0SH0R	Intel S3420GPLX	Promise VessRAID 1840i**

Systems (continued)

Promise VessRAID 1840i**	QNAP TS-419U+	QNAP TS-EC879U-RP**
Promise VessRAID 1840i+**	QNAP TS-420	Qsan F300Q-D212**
Promise VessRAID 1840s**	QNAP TS-420U	Qsan F300Q-D316**
Proware EP-2123**	QNAP TS-421	Qsan F300Q-D424**
Proware EP-3163**	QNAP TS-421U	Qsan F400Q-D212**
Proware EP-4423**	QNAP TS-439 Pro	Qsan F400Q-D316**
Proware EP-4643**	QNAP TS-439 Pro II	Qsan F400Q-D424**
Proware SB-1403**	QNAP TS-439 Pro II+	Qsan F600Q-D212**
Proware SB-2123**	QNAP TS-439U-RP	Qsan F600Q-D316**
Proware SB-2803**	QNAP TS-439U-SP	Qsan F600Q-D424**
Proware SB-3163[E]	QNAP TS-459 Pro	Qsan J300Q-C212**
QNAP TS-1079 Pro	QNAP TS-459 Pro II	Qsan J300Q-C316**
QNAP TS-110	QNAP TS-459 Pro+	Qsan J300Q-C424**
QNAP TS-112	QNAP TS-459U-RP	Qsan J300Q-D212**
QNAP TS-119	QNAP TS-459U-RP+	Qsan J300Q-D316**
QNAP TS-119P II	QNAP TS-459U-SP	Qsan J300Q-D424**
QNAP TS-119P+	QNAP TS-459U-SP+	Qsan P300Q-D212**
QNAP TS-120	QNAP TS-469 Pro	Qsan P300Q-D316**
QNAP TS-121	QNAP TS-469L	Qsan P300Q-D424**
QNAP TS-1268U-RP	QNAP TS-469U-RP	Qsan P400Q-D212**
QNAP TS-1270U-RP	QNAP TS-469U-SP	Qsan P400Q-D316**
QNAP TS-1279U-RP	QNAP TS-509 Pro	Qsan P400Q-D424**
QNAP TS-1679U-RP	QNAP TS-559 Pro	Qsan P500Q-D212**
QNAP TS-210	QNAP TS-559 Pro II	Qsan P500Q-D316**
QNAP TS-212	QNAP TS-559 Pro+	Qsan P500Q-D424**
QNAP TS-219	QNAP TS-569 Pro	Qsan P600Q-D212**
QNAP TS-219P	QNAP TS-569L	Qsan P600Q-D316**
QNAP TS-219P II	QNAP TS-639 Pro	Qsan P600Q-D424**
QNAP TS-219P+	QNAP TS-659 Pro	Qsan U400Q-S316**
QNAP TS-220	QNAP TS-659 Pro II	Qsan U400Q-S424**
QNAP TS-221	QNAP TS-659 Pro+	Qsan U600Q-S316**
QNAP TS-239 Pro	QNAP TS-669 Pro	Qsan U600Q-S424**
QNAP TS-239 Pro II	QNAP TS-669L	Supermicro Server Sys. with LSI2308
QNAP TS-259 Pro	QNAP TS-809 Pro	Supermicro Server Sys. with LSI2208
QNAP TS-259 Pro+	QNAP TS-809U-RP	Supermicro Server Sys. with LSI2108
QNAP TS-269 Pro	QNAP TS-859 Pro	Supermicro Server Sys. with LSI2008
QNAP TS-269L	QNAP TS-859 Pro+	Supermicro Server Sys. with LSI2116
QNAP TS-410	QNAP TS-859U-RP	Supermicro Server Sys. with C600 SAS
QNAP TS-410U	QNAP TS-859U-RP+	Supermicro Server Sys. with C600 SATA
QNAP TS-412	QNAP TS-869 Pro	Supermicro SS6017R-72HDP+
QNAP TS-412U	QNAP TS-869L	Supermicro F627R3-RTB+
QNAP TS-419P	QNAP TS-869U-RP	Supermicro F627R3-F73
QNAP TS-419P II	QNAP TS-870U-RP	Supermicro F627R3-F72PT+
QNAP TS-419P+	QNAP TS-879 Pro	Supermicro F617H6-FT+
QNAP TS-419U	QNAP TS-879U-RP	Supermicro AS4042G-72RF4
QNAP TS-419U II	QNAP TS-EC1279U-RP	Supermicro 804R-7RFT+
	QNAP TS-EC1679U-RP	

Systems (continued)

Supermicro 7047R-72RF	Synology DS411**	Synology RX1211RP**
Supermicro 7047R-72PFT	Synology DS411+**	Synology RX1213SAS**
Supermicro 7047AX-72RF**	Synology DS411+II**	Synology RX4**
Synology DS1010+**	Synology DS411J**	Synology RX410**
Synology DS109**	Synology DS412+**	Thecus 1U42XXX
Synology DS109+**	Synology DS413**	Thecus 1U4600
Synology DS110+**	Synology DS413J**	Thecus N0503
Synology DS110J**	Synology DS509+**	Thecus N12000
Synology DS111**	Synology DS710+**	Thecus N12000V
Synology DS112**	Synology DS712+**	Thecus N16000
Synology DS112+**	Synology DS713+**	Thecus N16000V
Synology DS112J**	Synology DX1211**	Thecus N2200EVO
Synology DS1511+**	Synology DX213**	Thecus N22XXX
Synology DS1512+**	Synology DX5**	Thecus N2800
Synology DS1812+**	Synology DX510**	Thecus N3200XXX
Synology DS209**	Synology DX513**	Thecus N4100EVO
Synology DS209+**	Synology RS10613xs+**	Thecus N4200
Synology DS209+II**	Synology RS212**	Thecus N4200Eco
Synology DS210+**	Synology RS2211+**	Thecus N4200PRO
Synology DS210J**	Synology RS2211RP+**	Thecus N4510U
Synology DS211**	Synology RS2212+**	Thecus N4800
Synology DS211+**	Synology RS2212RP+**	Thecus N4800Eco
Synology DS211J**	Synology RS3411RPxs**	Thecus N5200XXX
Synology DS212**	Synology RS3411xs**	Thecus N5500
Synology DS212+**	Synology RS3412RPxs**	Thecus N5500
Synology DS212J**	Synology RS3412xs**	Thecus N7510
Synology DS213**	Synology RS3413xs+**	Thecus N7700Plus
Synology DS213+**	Synology RS409**	Thecus N7700PRO
Synology DS213air**	Synology RS409+**	Thecus N8200XXX
Synology DS2411+**	Synology RS409RP+**	Thecus N8800Plus
Synology DS2413+**	Synology RS411**	Thecus N8800PRO
Synology DS3611xs**	Synology RS810+**	Thecus N8900V
Synology DS3612xs**	Synology RS810RP+**	Thecus W12000
Synology DS409**	Synology RS812**	Thecus W16000
Synology DS409+**	Synology RS812+**	Thecus W8900
Synology DS410**	Synology RS812RP+**	
Synology DS410J**	Synology RX1211**	

*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.

** 4TB capacity point has not officially been tested for compatibility on this partner solution.

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