

# TOSHIBA

Leading Innovation >>>

## The Industry Pioneer

Hard Disk Drives & Solid State Drives



### Toshiba's Commitment to Leadership

As a leading provider of storage solutions and as the principal inventor of NAND flash storage, Toshiba sets many of today's industry standards for storage technology. As a 'One-Stop Storage Device Supplier', Toshiba is ideally positioned to fulfill the growing demands for a wider range of storage devices from the latest desktop and mobile computers, consumer electronics and multimedia market to quality critical IT markets.

#### Mobile Storage

Delivering advanced power consumption, security options and performance, Toshiba's hard disk drives and solid state drives provide an ideal storage solution for high-end and thin/light notebooks, all-in-one desktop computers, consumer and industrial PCs and embedded systems.

#### Desktop Storage

Toshiba's 3.5-inch hard disk drives deliver high capacity along with high performance and low power consumption for cooler operation in all-in-one desktop and gaming PCs, home servers, external HDDs, and consumer electronics products such as set-top boxes (STBs) and digital video recorders (DVRs).

#### Enterprise-class Storage

Representing all levels of tiered storage architecture and the forefront of leading-edge manufacturing technology, Toshiba offers enterprise-class solid state drives and hard disk drives designed to support mission and business critical enterprise storage applications including servers, direct-attached storage, and network-attached storage.

[www.toshibastorage.com](http://www.toshibastorage.com)

# Storage Product List

## Distribution Sales Channel

# Toshiba America Electronic Components, Inc.

Class	Form Factor	Interface	Speed	Capacity (GB/TB)1	Sector Size	Model	Part Number	Remarks	Warranty
Enterprise	3.5-inch	SAS	10,500	300	512B	AL13SEL300	HDE8C03GEA51	6 Gb/sec. SAS, AL13SE 2.5-inch series mounted in a 3.5-inch bracket	5
				450	512B	AL13SEL450	HDE8C02GEA51	6 Gb/sec. SAS, AL13SE 2.5-inch series mounted in a 3.5-inch bracket	5
				600	512B	AL13SEL600	HDE8C01GEA51	6 Gb/sec. SAS, AL13SE 2.5-inch series mounted in a 3.5-inch bracket	5
				900	512B	AL13SEL900	HDE8C00GEA51	6 Gb/sec. SAS, AL13SE 2.5-inch series mounted in a 3.5-inch bracket	5
			10,025	300	512B	MBF230LRC	CA07173-B2800LF	6 Gb/sec. SAS, MBF 2.5-inch series mounted in a 3.5-inch bracket	5
				450	512B	MBF245LRC	CA07173-B3800LF	6 Gb/sec. SAS, MBF 2.5-inch series mounted in a 3.5-inch bracket	5
				600	512B	MBF260LRC	CA07173-B4800LF	6 Gb/sec. SAS, MBF 2.5-inch series mounted in a 3.5-inch bracket	5
				1 TB	512B	MG03SCA100	HDEPC03GEA51	6 Gb/sec. SAS, Encryption options available	5
		7,200	2 TB	512B	MG03SCA200	HDEPC02GEA51	6 Gb/sec. SAS, Encryption options available	5	
			3 TB	512B	MG03SCA300	HDEPC01GEA51	6 Gb/sec. SAS, Encryption options available	5	
			4 TB	512B	MG03SCA400	HDEPC00GEA51	6 Gb/sec. SAS, Encryption options available	5	
			1 TB	512B	MG03ACA100	HDEPQ03GEA51	6 Gb/sec. SATA, Encryption options available	5	
		SATA	7,200	2 TB	512B	MG03ACA200	HDEPQ02GEA51	6 Gb/sec. SATA, Encryption options available	5
				3 TB	512B	MG03ACA300	HDEPQ01GEA51	6 Gb/sec. SATA, Encryption options available	5
				4 TB	512B	MG03ACA400	HDEPQ00GEA51	6 Gb/sec. SATA, Encryption options available	5
				200	512, 520, 528B	PX02SMF020	SDFCP03G0A51	7mm, 6 Gb/sec. / 12 Gb/sec., Crypto Erase and SED options available	5
	2.5-inch	eMLC NAND	400	512, 520, 528B	PX02SMF040	SDFCP02G0A51	7mm, 6 Gb/sec. / 12 Gb/sec., Crypto Erase and SED options available	5	
			800	512, 520, 528B	PX02SMF080	SDFCP01G0A51	7mm, 6 Gb/sec. / 12 Gb/sec., Crypto Erase and SED options available	5	
			1.6 TB	512, 520, 528B	PX02SMB160	SDFAP00G0A51	15mm, 6 Gb/sec. / 12 Gb/sec., Crypto Erase and SED options available	5	
			147	512B	MK1401GRRR	HDEAA01GEA51	6 Gb/sec. SAS, Self Encrypting Drives available with MK1401GRRR model	5	
		15,000	300	512B	MK3001GRRR	HDEAA00GEA51	6 Gb/sec. SAS, Self Encrypting Drives available with MK3001GRRR model	5	
			300	512B	AL13SEB300	HDEBC03GEA51	6 Gb/sec. SAS	5	
		10,500	450	512B	AL13SEB450	HDEBC02GEA51	6 Gb/sec. SAS	5	
			600	512B	AL13SEB600	HDEBC01GEA51	6 Gb/sec. SAS	5	
			900	512B	AL13SEB900	HDEBC00GEA51	6 Gb/sec. SAS	5	
			300	512B	MBF2300RC	CA07173-B200	6 Gb/sec. SAS, SED avail. with MBF2300RE, planned EOL is C3Q'13	5	
		10,025	450	512B	MBF2450RC	CA07173-B300	6 Gb/sec. SAS, SED avail. with MBF2450RE, planned EOL is C3Q'13	5	
			600	512B	MBF2600RC	CA07173-B400	6 Gb/sec. SAS, SED avail. with MBF2600RE, planned EOL is C3Q'13	5	
			80	512B	MK8061GSYB	HDD2F05	3 Gb/sec. SATA, 24/7 operation, 50% duty cycle	3	
			160	512B	MK1661GSYB	HDD2F03	3 Gb/sec. SATA, 24/7 operation, 50% duty cycle	3	
		5,400	250	512B	MK2561GSYB	HDD2F02	3 Gb/sec. SATA, 24/7 operation, 50% duty cycle	3	
			500	512B	MK5061GSYB	HDD2F01	3 Gb/sec. SATA, 24/7 operation, 50% duty cycle	3	
250	512B		MK2576GSXZ	HDD2L95	3 Gb/sec. SATA, 24/7 operation, 20% duty cycle	3			
500	512B		MK5076GSXZ	HDD2L93	3 Gb/sec. SATA, 24/7 operation, 20% duty cycle	3			
Desktop	3.5-inch	SATA	7,200	500	512e (4KB)	DT01ACA050	HDKPC05	6 Gb/sec. SATA	2
				1 TB	512e (4KB)	DT01ACA100	HDKPC03	6 Gb/sec. SATA	2
				2 TB	512e (4KB)	DT01ACA200	HDKPC09	6 Gb/sec. SATA	2
				3 TB	512e (4KB)	DT01ACA300	HDKPC08	6 Gb/sec. SATA	2
Mobile	2.5-inch	SATA	7,200	160	512B	MK1661GSYN	HDD2F25	3 Gb/sec. SATA	3
				250	512B	MK2561GSYN	HDD2F24	3 Gb/sec. SATA	3
				320	512B	MK3261GSYN	HDD2F23	3 Gb/sec. SATA	3
				500	512B	MK5061GSYN	HDD2F22	3 Gb/sec. SATA	3
				640	512B	MK6461GSYN	HDD2F21	3 Gb/sec. SATA	3
				160	512B	MK1676GSX	HDD2J96	3 Gb/sec. SATA	3
			5,400	250	512B	MK2576GSX	HDD2J95	3 Gb/sec. SATA	3
				320	512B	MK3276GSX	HDD2J94	3 Gb/sec. SATA	3
				500	512B	MK5076GSX	HDD2J93	3 Gb/sec. SATA	3
				640	512B	MK6476GSX	HDD2J92	3 Gb/sec. SATA	3
				250	512e (4KB)	MQ01ABD025	HDKEB05	3 Gb/sec. SATA	3
				320	512e (4KB)	MQ01ABD032	HDKEB04	3 Gb/sec. SATA	3
	SATA	19nm MLC NAND	512	512B	THNSNH512GBST	THNSNH512GBST	9.5mm height, 6 Gb/sec.	1	
			256	512B	THNSNH256GBST	THNSNH256GBST	9.5mm height, 6 Gb/sec.	1	
			128	512B	THNSNH128GBST	THNSNH128GBST	9.5mm height, 6 Gb/sec.	1	
			60	512B	THNSNH060GBST	THNSNH060GBST	9.5mm height, 6 Gb/sec.	1	
			512	512B	THNSNH512GCST	THNSNH512GCST	7.0mm height, 6 Gb/sec.	1	
			256	512B	THNSNH256GCST	THNSNH256GCST	7.0mm height, 6 Gb/sec.	1	
	mSATA	19nm MLC NAND	128	512B	THNSNH128GMCT	THNSNH128GMCT	7.0mm height, 6 Gb/sec.	1	
			60	512B	THNSNH060GMCT	THNSNH060GMCT	7.0mm height, 6 Gb/sec.	1	
			256	512B	THNSNH256GMCT	THNSNH256GMCT	6 Gb/sec.	1	
			128	512B	THNSNH128GMCT	THNSNH128GMCT	6 Gb/sec.	1	
			60	512B	THNSNH060GMCT	THNSNH060GMCT	6 Gb/sec.	1	
			40	512B	MK4050GACE	HDD2E36	100 MB/sec. -20 to 70oC for industrial usage	3	
Specialty	2.5-inch	PATA	4,200	80	512B	MK8050GACE	HDD2E34	100 MB/sec. -20 to 70oC for industrial usage	3
				100	512B	MK1060GSCX	HDD2G34	1.5 Gb/sec. for industrial usage	3
		SATA	4,200	100	512B	MK1060GSC	HDD2G32	1.5 Gb/sec. for industrial and automotive usage	3
				200	512B	MK2060GSC	HDD2G31	1.5 Gb/sec. for industrial and automotive usage	3

For more information go to [www.toshiba-storage.com](http://www.toshiba-storage.com)

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  $1GB = 2^{30} = 1,073,741,824$  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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