

**Card Interface : e MMC**

The interface of e MMC™ is compliant with Version 4.4/4.41 of the JEDEC e MMC™ standard for high-speed memory cards. Users can easily use e MMC™ in various products as an embedded MMC memory device (e MMC™-compliant). Since e MMC™ integrates a NAND flash memory and a controller chip in a single package, it can perform such controls as error corrections, wear leveling and bad-block management internally. This frees users from the worry of control operations otherwise required for NAND flash memory, making it easy to use.

Product list of e MMC™

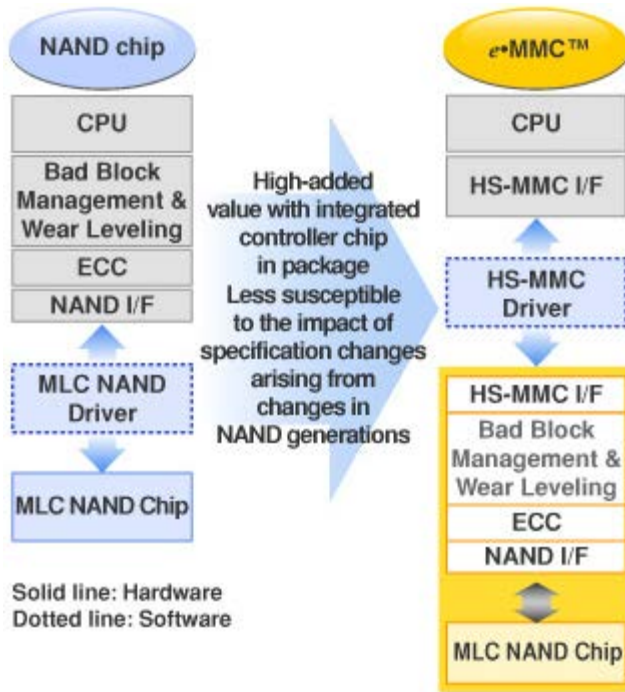
Capacity	Part Number	Classification	e-MMC Version	Speed (MHz)	Power Supply		Operating Temperature (°C)	Package
					V <sub>CC</sub> (V)	V <sub>CCQ</sub> (V)		
2 GB	THGBM4G4D1HBAIR	-	4.41	to 52	2.7 to 3.6	1.65 to 1.95, 2.7 to 3.6	-25 to 85	P-VFBGA153-1113-0.50-002
4 GB	THGBM4G5D1HBAIR	-	4.41	to 52		1.65 to 1.95, 2.7 to 3.6		
	THGBM5G5A1JBAIR *	Premium	4.41a	to 200		1.70 to 1.95, 2.7 to 3.6		
8 GB	THGBM4G6D2HBAIR	-	4.41	to 52		1.65 to 1.95, 2.7 to 3.6		
	THGBM5G6A2JBAIR *	Premium	4.41a	to 200		1.70 to 1.95, 2.7 to 3.6		
16 GB	THGBM4G7D2GBAIE	-	4.4	to 52		1.65 to 1.95, 2.7 to 3.6		
	THGBM5G7A2JBAIM *	Premium	4.41a	to 200		1.70 to 1.95, 2.7 to 3.6		
	THGBM5G7B2JBAIM *	Supreme				1.70 to 1.95, 2.7 to 3.6		
32 GB	THGBM4G8D4GBAIE	-	4.41	to 52		1.65 to 1.95, 2.7 to 3.6		
	THGBM5G8A4JBAIM *	Premium	4.41a	to 200		1.70 to 1.95, 2.7 to 3.6		
	THGBM5G8B4JBAIM *	Supreme				1.70 to 1.95, 2.7 to 3.6		
64 GB	THGBM4G9D8GBAII	-	4.41	to 52		1.65 to 1.95, 2.7 to 3.6		
	THGBM5G9B8JBAIE *	Supreme	4.41a	to 200		1.70 to 1.95, 2.7 to 3.6		
128 GB	THGBM4T0DBGBAIJ	-	4.41	to 52		1.65 to 1.95, 2.7 to 3.6		

\*: New product

e MMC™ is the trademark of JEDEC/MMCA.

"Ver.4.41a" is compatible with the Version 4.41 and has some main features of Version 4.5.

Contact the Toshiba sales representative for information about RoHS compliance before you purchase any components.



eMMC™ is the trademark of JEDEC/MMCA.

[Top of this page ▲](#)