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e•MMC™

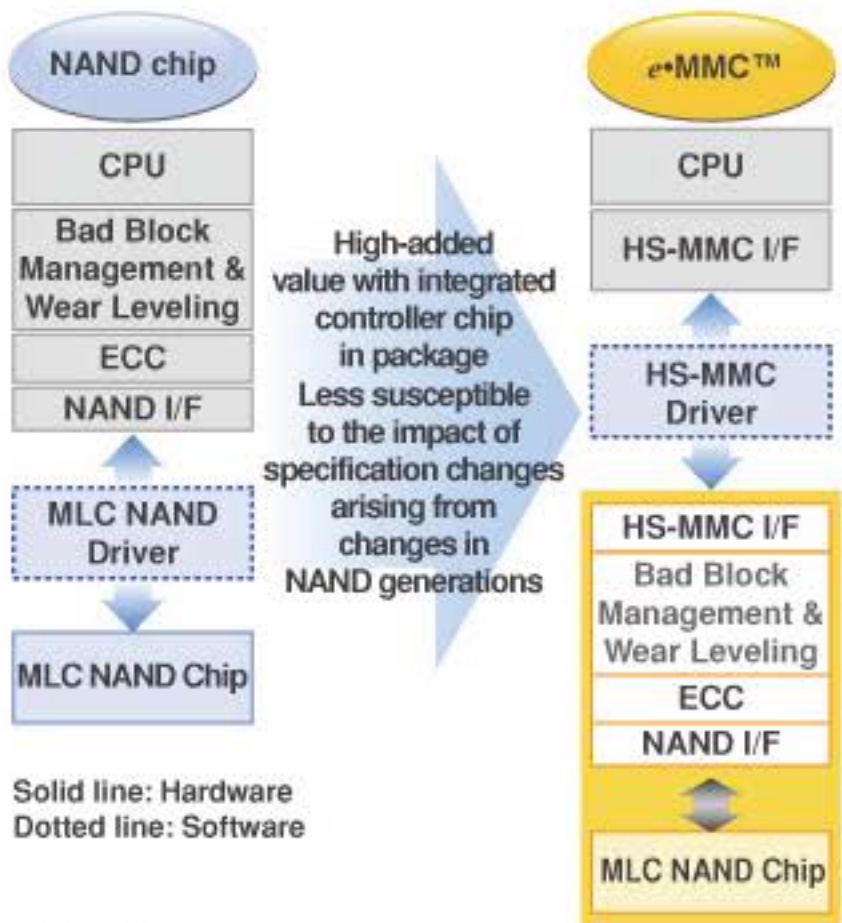
The interface of e•MMC™ is compliant with Version 4.4/4.41 of the JEDEC e•MMC™ standard for high-speed memory cards. Users can easily use e•MMC™ in various products as an embedded MMC memory device (e•MMC™ compliant). Since e•MMC™ integrates a NAND flash memory and a controller chip in a single package, it can perform such controls as error corrections, wear leveling and bad-block management internally. All e•MMC™ parts have compatible pin-layouts for all derivatives and generations. 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	e-MMC Version	Speed (MHz)	Power Supply		Operating Temperature (°C)	Package
				Vcc (V)	VccQ (V)		
2 GByte	THGBM4G4D1HBAIR	4.41	to 52	2.7 to 3.6	1.65 to 1.95, 2.7 to 3.62	-25 to 85	P-VFBGA153-1113-0.50-002
4 GByte	THGBM5G5A1JBAIR*	4.41a	to 200		1.70 to 1.95, 2.7 to 3.6		
8 GByte	THGBM5G6A2JBAIR*	4.41a	to 200		1.70 to 1.95, 2.7 to 3.6		
16 GByte	THGBM5G7A2JBAIM*	4.41a	to 200		1.70 to 1.95, 2.7 to 3.6		P-VFBGA169-1216-0.50-001
32 Gbyte	THGBM5G8A4JBAIM*	4.41a	to 200		1.70 to 1.95, 2.7 to 3.6		P-TFBGA169-1216-0.50A4
64 Gbyte	THGBM5G9B8JBAIE*	4.41a	to 200		1.70 to 1.95, 2.7 to 3.6		P-FBGA169-1418-0.50-001
128 Gbyte	THGBM4T0DBGBAIJ	4.41	to 52		1.65 to 1.95, 2.7 to 3.6		

*: New Product

Please [contact Toshiba sales](#) to check the latest product information and request technical datasheets.



e•MMC™ is the trademark of JEDEC/MMCA.

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