

e-MMC

e-MMC is a family of NAND flash memories with control functionality such as ECC, wear leveling and bad-block management. e-MMC also provides a high-speed memory card interface compliant with JEDEC Version 5.0/5.1, eliminating the need for users to be concerned about directly controlling NAND flash memories. Thus, e-MMC can easily be used as a storage device for embedded applications.

Consumer Grade

Process	Capacity	Part Number	e-MMC Version	Max Data Rate (MB/s)	Supply Voltage		Operating Temperature (°C)	Package Size (mm)
					V _{CC} (V)	V _{CCQ} (V)		
FG NAND	4GB	THGBMNG5D1LBAIT	5.0	400	2.7 to 3.6	1.70 to 1.95, 2.7 to 3.6	-25 to 85	11.0x10.0x0.8
		THGBMNG5D1LBAIL						11.5x13.0x0.8
	8GB	THGBMJG6C1LBAIL	5.1					
	16GB	THGBMJG7C1LBAIL						
	32GB	THGBMJG8C2LBAIL						
BiCS	16GB	THGAMRG7T13BAIL	5.1	400	2.7 to 3.6	1.70 to 1.95	-25 to 85	11.5x13.0x0.8
	32GB	THGAMRG8T13BAIL						
	64GB	THGAMRG9T23BAIL						
	128GB	THGAMRT0T43BAIR						11.5x13.0x1.0

Industrial Grade

Process	Capacity	Part Number	e-MMC Version	Max Data Rate (MB/s)	Supply Voltage		Operating Temperature (°C)	Package Size (mm)
					V _{CC} (V)	V _{CCQ} (V)		
	8GB	THGBMJG6C1LBAU7						11.5x13.0x1.0

FG NAND	16GB	THGBMJG7C2LBAU8	5.1	400	2.7 to 3.6	1.70 to 1.95, 2.7 to 3.6	-40 to 105 ⁽¹⁾	11.5x13.0x1.2
	32GB	THGBMJG8C4LBAU8						
	64GB	THGBMJG9C8LBAU8						

Note (1) : Tc=115°C max.

- Contact the KIOXIA Corporation's sales representative for sample schedule about new products.
- Details about your intended usage would be checked before submitting samples of the Industrial grade products.

Links

MLC/NAND Flash Memory

- e-MMC
- [UFS](#)
- [e-MMC/UFS for Automotive Information & Entertainment Systems](#)

Icon definitions:  Open in new window.  Open PDF in new window.

[Business Products](#) > [Memory](#) > [NAND Flash Memories with an Integrated Controller](#) > [e-MMC](#)

Home

[About](#)
[Business Products](#)
[Personal Products](#)

About

[About Us](#)
[Careers](#)
[Events](#)
[News](#)

Business Products

[Memory](#)
[SSD](#)
[Where to Buy](#)
[News](#)
[Blog](#) 

Personal Products

[News](#)

KIOXIA Global site (KIOXIA Holdings Corporation)

[About Us](#)
[Sustainability](#)
[Products & Technology](#)
[News](#)



[Contact Us](#) | [Privacy Policy](#) | [Terms and Conditions](#)

Copyright © 2020 KIOXIA Corporation. All Rights Reserved.