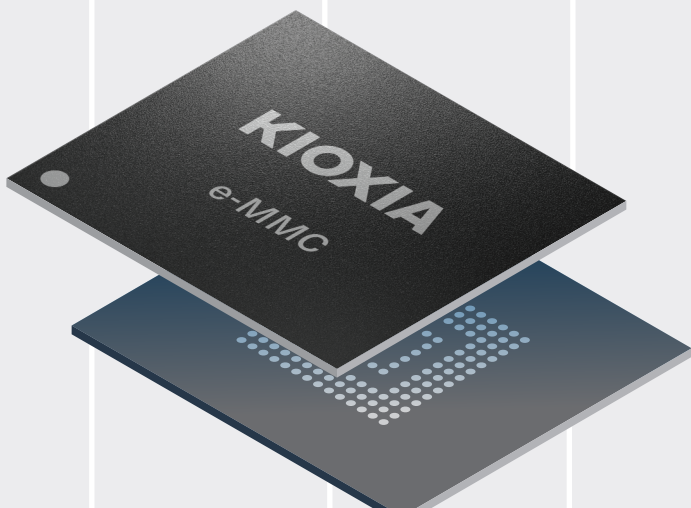



KIOXIA e-MMC

A Versatile and Popular Embedded Memory Technology


KIOXIA e-MMC devices feature NAND Flash and a controller in a single package and help customers to reduce host processor workload, shorten time to market and improve ease of use. This widely adopted technology has a well-supported ecosystem that simplifies the design-in process. e-MMC is an ideal memory technology for a wide variety of consumer applications.

Features and Benefits







Commercial and Industrial Temp Range




Small BGA Package




JEDEC Standard Compliant



Low Power for battery life optimization



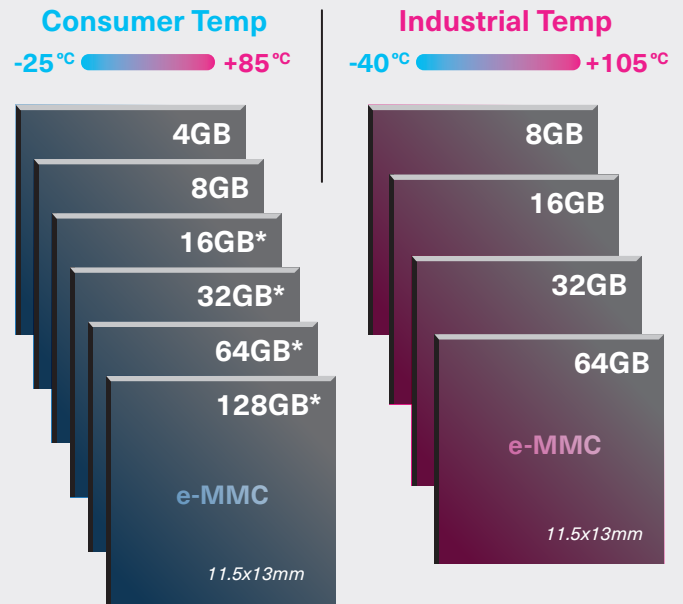
Broad Support by SoC Suppliers




Fully Managed Solution (internal controller)

Densities and Packaging


A Broad Range of Available Densities and Temperature Options




Why e-MMC?



Design Flexibility



Well Established Ecosystem



Large Storage Capacity in a Small Package

BiCS FLASH™ 3D Flash Memory


KIOXIA continually migrates higher capacity e-MMC devices to 3D flash memory




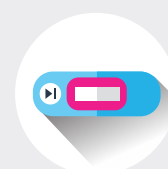
BiCS FLASH™


Target Applications

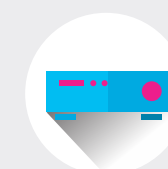
e-MMC is a Popular Memory Solution for a Range of Applications:



Laptop PCs



POS


Streaming Media Players


Printers


Set Top Boxes


Digital TVs


Personal Navigation Devices

KIOXIA

KIOXIA delivers flash-based products for next-generation storage applications. Having invented NAND flash over 35 years ago, KIOXIA is now one of the world's largest flash memory suppliers – and continues to move the technology forward.

In every mention of a KIOXIA product: Product density is identified based on the density of memory chip(s) within the Product, not the amount of memory capacity available for data storage by the end user. Consumer-usable capacity will be less due to overhead data areas, formatting, bad blocks, and other constraints, and may also vary based on the host device and application. For details, please refer to applicable product specifications. The definition of 1KB = 2¹⁰ bytes = 1,024 bytes. The definition of 1Gb = 2³⁰ bits = 1,073,741,824 bits. The definition of 1KB = 2¹⁰ bytes = 1,073,741,824 bytes. 1Tb = 2⁴⁰ bits = 1,099,511,627,776 bits. JEDEC is a registered trademark of JEDEC Solid State Technology Association. e-MMC is one of the standard specifications of embedded flash memory defined by JEDEC.