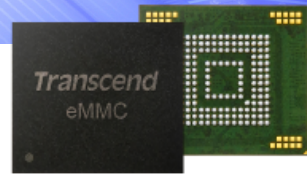




Embedded Solutions



eMMC

EMC410T eMMC Memory

Transcend's EMC410T embedded MultiMediaCard (eMMC) integrates flash memory, storage controller, and MMC interface into a small 153-ball BGA package. The simplified interface makes it extremely compact, facilitating manufacturing process and effectively shortening time-to-market for end devices. The EMC410T complies with JEDEC eMMC 5.1 specification. The top-tier 3D NAND flash delivers high performance and stability. The small form factor, simplified design, and high speed are ideal for embedded systems, medical devices, infotainment systems, set-top boxes, and kiosks.

Hardware Features

- Core voltage (VCC) 2.7-3.6V
- I/O (VCCQ) voltage: either 1.7-1.95V or 2.7-3.6V
- 153-ball BGA
- Complies with JEDEC eMMC Specification Ver. 5.1 (JESD84-B51A)
- High-quality 3D NAND flash

Ordering Information

32GB	TS32GEMC410T
64GB	TS64GEMC410T

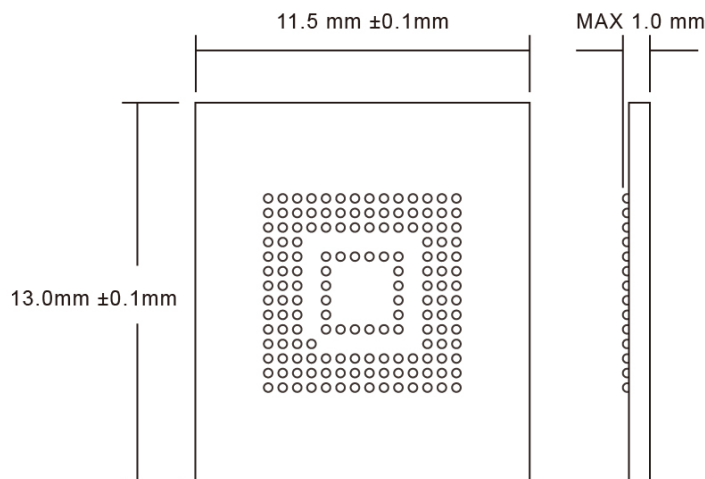
Firmware Features

- Wear-Leveling
- TRIM command for better performance
- Bus widths supported: x1, x4, x8
- Clock frequencies supported: 0~200MHz
- Built-in LDPC ECC (Error Correction Code) functionality

Specifications

Appearance	Dimensions	32GB: 11.5 mm x 13 mm x 1.0 mm (0.45" x 0.51" x 0.04") 64GB: 11.5 mm x 13 mm x 0.8 mm (0.45" x 0.51" x 0.03")
	Form Factor	eMMC5.1 (BGA-153)
	Bus Speed Mode	HS400
Storage	Flash Type	3D NAND flash
	Capacity	32 GB / 64 GB
Operating Environment	Operating Temperature	Standard Temp. -25°C (-13°F) ~ 85°C (185°F)
	Storage Temperature	-40°C (-40°F) ~ 85°C (185°F)
	Humidity	0% ~ 95%
	Clock Frequency Supported	0 MHz ~ 200 MHz
	Bus Width Supported	x1, x4, x8
Performance	Read Speed (Max.)	Up to 320 MB/s
	Write Speed (Max.)	Up to 235 MB/s
	Note	Speed may vary due to host hardware, software, usage, and storage capacity.
Warranty	Warranty	Three-year Limited Warranty
	Warranty Policy	Please click here for more information about the Transcend Warranty Policy. Due to the complexity and variety of industrial applications, Transcend cannot guarantee 100% compatibility with all platforms and under all scenarios. For special applications and environments, it is strongly suggested that you contact Transcend beforehand for clarification.

Mechanical Dimensions



Product specifications are subject to change without notice. Pictures shown may differ from actual products. Total accessible capacity varies depending on operating environment. Due to the complexity and variety of industrial applications, Transcend cannot guarantee 100% compatibility with all platforms and under all scenarios. For special applications and environments, it is strongly suggested that you contact Transcend beforehand for clarification.