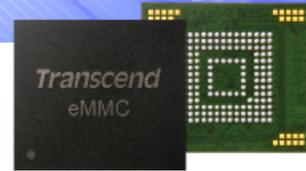


## Embedded Solutions



e.MMC

# EMC410T e.MMC Memory

Transcend's EMC410T embedded MultiMediaCard (e.MMC) 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 e.MMC 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

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

## Firmware Features

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

## Ordering Information

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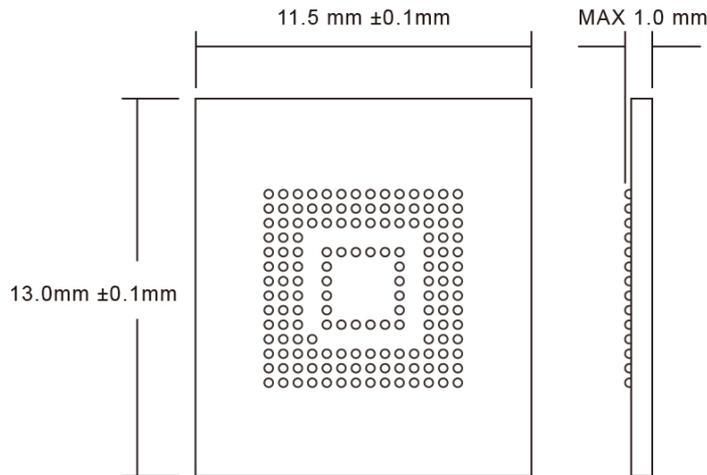
32GB TS32GEMC410T

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## Specifications

<b>Appearance</b>	Dimensions	11.5 mm x 13 mm x 1.0 mm (0.45" x 0.51" x 0.04")
	Form Factor	eMMC5.1 (BGA-153)
	Bus Speed Mode	HS400
<b>Storage</b>	Flash Type	3D NAND flash
	Capacity	32 GB
<b>Operating Environment</b>	Operating Temperature	Standard -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
<b>Performance</b>	Note	Speed may vary due to host hardware, software, usage, and storage capacity.
<b>Warranty</b>	Warranty	Three-year Limited Warranty
	Warranty Policy	Please click <a href="#">here</a> 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.