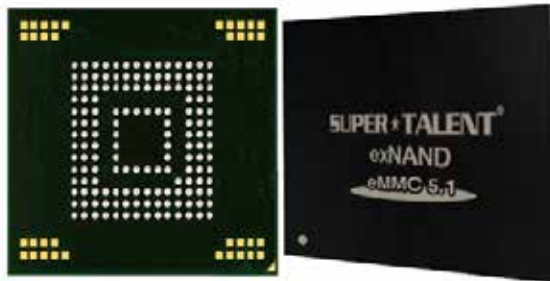


STT exNAND



STT exNAND is an embedded eMMC solution designed in a BGA package form. It is identical to a MMC device and is a simple memory using industry standard MMC protocol v5.1.

Features

- Easy integration with any microprocessor with MMC host
- Up to 250MB/s read and 200MB/s write
- Formfactor eMMC 5.1 (backward compatible to eMMC 4.5)
- Supports HS400 Mode
- Supports Boot operation in High Speed and DDR mode

Specifications

Capacity	16GB – 64GB
Formfactor	eMMC 5.1
Dimensions	11.5 x 13 x 1.0mm
Seq. Read Up to(MB/sec)	250
Seq. Write Up to(MB/sec)	200
Power Supply	2.7V~3.6V
Package	BGA 153 Ball
Programmable bus width	1/4/8 bits
Clock Frequency	0 ~ 200MHz
Boot Frequency	0 ~ 52MHz
Operating Temperature	-25 to 85°C
Storage Temperature	-40 to 85°C
Enhance techniques	Sleep Notification in power off notification, data tagging, packed commands, discard, sanitize, RTC (real time clock)
Support	Boot operation in High Speed and DDR mode Boot mode and Alternative Boot mode Replay Protection Memory Block (RPMB) Secure removal types

Ordering information

Capacity	Part Number	
	MLC	TLC
16GB	ECE01630C3	
32GB		ECT03230C3
64GB		ECT06430C3