

PRODUCT OVERVIEW

The SA3711 is the state-of-the-art UFS controller that complies with the latest UFS2.1 specifications. The SA3711 is targeted for portable, stationary and embedded applications by supporting full range of card capacity. It could bring higher data transfer speed and increased reliability in flash memory storage. It is positioned as a replacement for high performance embedded application.

SA3711 is compliant to JEDEC data transfer standard designed for mobile systems. Most UFS applications require large storage capacity for data and boot code. It is a simple, but high performance, serial interface that efficiently moves data between a host processor and a storage device. With StorArt's enhanced flash technology and the powerful, configurable LDPC engine, it provides superior security, flexibility and performance in the market.

Applications

- Smart phone, Tablet, Smart TV, Game Console, Set-top box

KEY FEATURES

- UFS2.1
- 5.8Gb/s 1 lane solution, full duplex
- Support NAND Flash - 3D NAND MLC/ TLC
- Support ONFi4.0, Toggle2.0, up to 533MHZ
- Support 2 channel with 4 chip selection
- Support 1/2/4 plane flash
- Proven StorArt's new LDPC with AI technology enhancement
- Better power efficiency during read/write



BLOCK DIAGRAM

