

PRODUCT OVERVIEW

SA3310 is an advanced single channel SD6.1 UHS-I memory card controller of StorArt which is compliant with SD6.1 SDA industry standard and backward compatible to the legacy spec. (SD5.1/SD5.0/SD3.01/SD2.02/SD1.1). It aims to deliver a high performance, low power, cost-effective and value-added solution for SD-oriented applications. SA3310 is built-in with BCH ECC engine for reliability enhancement, and developed for passing various test criteria and environment. Therefore, SA3310 can demonstrate superior Read/Write performance, IOPS, reliability and host compatibility.

KEY FEATURES

- Support DDR200
- Support A2-Class
- Support SLC/MLC/TLC
- Flash VCC=2.5V/3.3V, VCCQ=1.2V/1.8V/3.3V
- Support ONFi4.0, Toggle3.0 Flash
- Single channel with 2 chip selection
- Support up to 2-way interleave operation per channel
- Support 1/2/4 plane flash
- Built-in StorArt's BCH ECC engine
- Low power consumption
- High compatibility
- Enhanced ESD design



BLOCK DIAGRAM

