

## PRODUCT OVERVIEW

SA3306 is an advanced single channel SD3.01 UHS-I memory card controller of StorArt which is compliant with SD3.01 SDA industry standard and backward compatible to the legacy spec. (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. SA3306 is built in with single channel high speed flash interface with BCH ECC, and is developed for passing various test criteria and environment. Therefore, SA3306 can demonstrate superior Read/Write performance, IOPS, reliability and host compatibility.

## KEY FEATURES

- Compatible with SD card V1.01/V1.1/V2.02/V3.01
- Support Bus Speed Mode: Default Speed/ High Speed/ SDR12/ SDR25/ SDR50/ SDR104/ DDR50
- Support NAND Flash -1x/1y/1z nm & SLC/MLC/TLC
- Support ONF3.0, Toggle2.0 Flash
- Single channel with 4chip selection
- Support up to 4way interleave operation per channel
- Support 1/2/4 plane flash
- Build-in configurable ECC
- Low power consumption
- High compatibility
- Enhanced ESD design



## BLOCK DIAGRAM

