

PRODUCT OVERVIEW

SA3308 is an advanced single channel SD6.0 UHS-I memory card controller of StorArt which is compliant with SD6.0 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. SA3308 is built in with single channel high speed flash interface with BCH ECC, and is developed for passing various test criteria and environment. Therefore, SA3308 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/V5.0/V5.1/V6.0
- Support Bus Speed Mode: Default Speed/ High Speed/ SDR12/ SDR25/ SDR50/ SDR104/ DDR50
- Support NAND Flash -1x/1y/1z nm & 3D-NAND MLC/TLC
- Support ONFi4.0, Toggle2.0 Flash
- Single channel with 8 chip selection
- Support up to 8-way interleave operation per channel
- Support 1/2/4 plane flash
- Build-in configurable ECC
- Low power consumption
- High compatibility
- Enhanced ESD design



BLOCK DIAGRAM

