

PRODUCT OVERVIEW

SA3309EN 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. SA3309EN is built in with StorArt's new LDPC ECC engine for reliability enhancement, and is developed for passing various test criteria and environment. Therefore, SA3309EN can demonstrate superior Read/Write performance, IOPS, reliability and host compatibility.

KEY FEATURES

- Support DDR300
- Support A2-Class
- Support 3D-NAND TLC/QLC
- Support ONFi4.0, Toggle3.0 Flash
- Single channel with 4 chip selection
- Support up to 4-way interleave operation per channel
- Support 1/2/4 plane flash
- Build-in StorArt's new LDPC ECC engine
- Low power consumption
- High compatibility
- Enhanced ESD design



BLOCK DIAGRAM

