

SM3265

SuperSpeed USB3.2 Gen1 Flash Drive Controller

Overview

The SM3265 is a USB 3.2 Gen1 Single-channel flash drive controller with high flexibility of 2D/3D NAND support capability. It supports high-speed Toggle and ONFI DDR NAND. The SM3265 delivers high data transfer rate, and ensures data accuracy and reliability with the powerful ECC engine which can overcome the read/write disturbances on new generation NAND. The SM3265 is available in QFN-48 green package and die form with manufacturing-ready turnkey solution.

Applications

■ High-Speed NAND Storage

Key Features

■ Max 130MB/sec read speed

■ USB 3.2 SuperSpeed (5 Gbps) and USB High-Speed Interface

- Compliant with USB 3.2 Gen1 Specification
- Compliant with USB 2.0 Specification
- Supports USB3.0 multi-level link power management

■ NAND Flash Support

- Supports single-channel up to 4 NAND flash
- Configurable BCH ECC
- Supports 2D MLC/TLC
- Supports 3D TLC/QLC
- Supports Toggle/ONFI DDR NAND flash
- Support lower grade NAND flash
- Supports 3.3V/1.8V/1.2V NAND flash
- Support VCCQ1.8V/1.2V
- Support VCC3.3V or 2.5V

■ Operation System Support

- Windows 10/8/7
- Mac OS 10.x
- Linux kernel 2.4

■ Package

- 48-pin QFN
- Die Form
- Lead-free and RoHS Compliant