

Solid State System SSS8873 CF Controller

Overview

SSS8873 CompactFlash™ card controller utilizes the proprietary technology of 3S to control data transfer through CompactFlash bus and translate into memory access to various Nand-Type flash media. Operating with dual channel, SSS8873 could support a maximum capacity of 16GB with SLC Flash, and 32GB with MLC Flash. SSS8873 supports all CFA feature set with up to UDMA Mode 4. The industrial grade controller is tested strictly to meet the rigorous storage requirements for the industrial applications such as portable terminals and industrial machines. For the industrial application, highly suggest to use SLC Flash.



Feature

- Conform to CompactFlash™ 3.0 Specification.
- Operation Mode: PC Card Memory Mode, PC Card I/O Mode, True-IDE Mode.
- Support up to 4 flash chip-enable pins.
- Operating with dual channel.
- Support 4 Symbol /512B ECC.
- Support 2KB/ 4KB SLC/ MLC Flash.
- Auto Standby and Sleep Mode supported.
- Assure a high reliability based on the Static wearleveling which would optimize the flash erase count.
- Complete Compliance Test of Testmetrix™ and DSLR from main brands.
- Emulate a disk allowing users to install OS (Windows, Linux), transfer the data in strict application such as Industrial PC, Networking.
- S.M.A.R.T Feature supported.
- Security Feature supported.
- Operating temperature;
 - Commercial: 0~70°C
 - Extended: -40~85°C

Highlights

- CompactFlash™ 3.0 Specification
- Dual Channel
- Built-in 4 Symbol ECC
- Support up to 4 flash CEs
- Excellent performance with small files
- Support Static wearleveling
- Pass Strict Powercycling Test
- S.M.A.R.T supported
- Security supported

Application

- CF Card
- Flash Disk

Package

- LQFP 100 - pin package

