

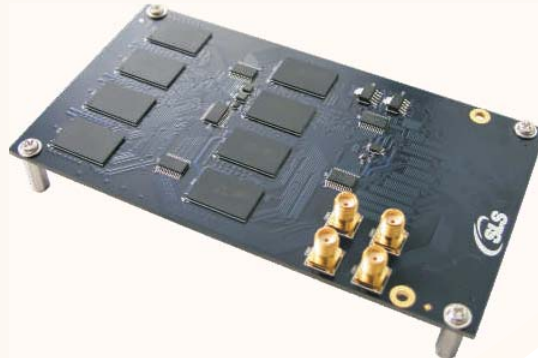
# ONFi Solutions

## ONFi DIMM HSMC Snap On Board



- 2 ONFi DIMM Connectors
- 1 SD Card Connector
- HSMC Interface

## ONFi 2.0 HSMC Snap On Board



- Eight 16 Gb Nand Flash devices
- 16 GB of total memory capacity
- 8 bit data access
- HSMC Interface

## IP Core features

### Processor interface

- Avalon Slave
- External DMA
- Two independent FIFOs for read and write operations

### Boot Mode support

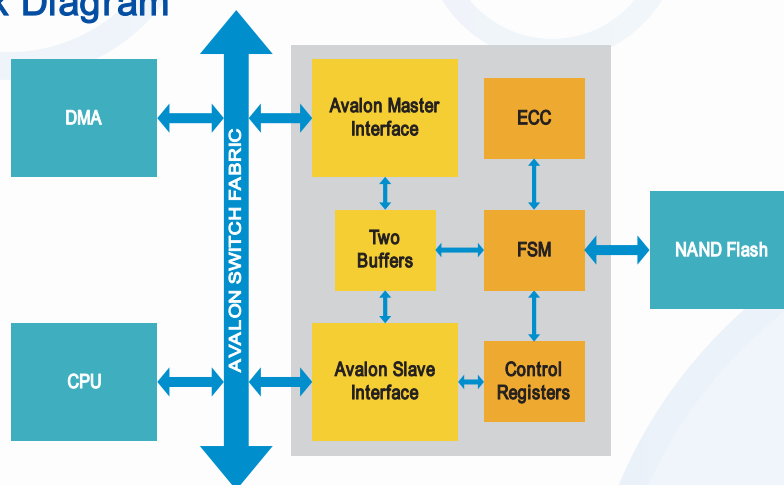
- Avalon Memory Mapped Master Interface to initiate the booting process

Command set support up to ONFI v2.1

### Configurability

- 512/2k/4k Page size support
- All six modes (Mode 0 to Mode 5) configurable
- Configurable Data interface (Sync and Async)
- 8 and 16 bit data width
- Multiple Plane access
- Multiple LUN support
- ECC enable/disable
  - SLC: Hamming code used for single bit error correction
  - MLC: BCH code can correct 4bit error

## IP Core Block Diagram



Contact [info@slscorp.com](mailto:info@slscorp.com) for more information and [sales@slscorp.com](mailto:sales@slscorp.com) for placing an order.

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