

Sil3811 Features

Sil3811 Starter Kit

The CP3811SATA150 Starter Kit includes hardware and documentation to quickly design and launch a SATA bridge solution.

Contents include:

Hardware

- Sil3811 evaluation board
- Serial ATA cable

Documentation

- Sil3811 data sheet
- Sil3811 evaluation board
- User's guide

General

- Serial ATA – 1.5 Gbps (150 MB/s)
- Compliant with the Serial ATA 1.0a specification
- Integrated Serial ATA transport, link logic, and PHY layers
- Ultra ATA/133 compatible parallel interface
- Supports ATA queued commands
- Supports ATAPI devices with multiple options for DMA direction
- 48-bit sector addressing
- Supports spread spectrum clocking in receiver to reduce EMI
- Single digital PLL architecture with low jitter
- Full ESD tolerance to 2kV
- Minimal power draw maximizes battery life in laptop applications
- Supports SATA power managements partial and slumber
- Small 64-pin package
- Supports SATA device hot plug
- Improves performance through efficient link layer handling of FIS traffic and minimizes delay cycles on PATA bus during data transfer

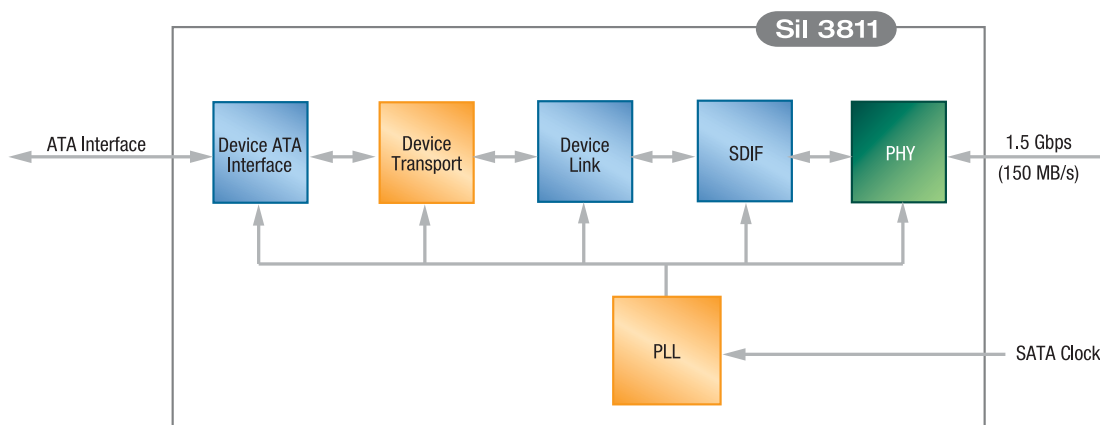
Power

- Core: 1.8V
- I/O: 3.3V operating voltage with 5V tolerance

Package

- 64-Pin, 9x9mm QFN (quad flat no-lead)

Sil3811 Block Diagram



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