

# PIFI Library Release Notes

PIFI Library release history and known issues

## PIFI Library - Release Notes

The version history and known issue lists on this page are for PIFI Library

Some issues are known at the time of the versioned package release. Issues found after the release can be found on the LPCOpen bug tracker pages.



## LPCSPIFI Library v1.03 release (Released: 1/19/2015): Library updates

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### Changes

- Corrected id for S25FL256S device
- Added 4 Byte address support for large devices
- Reorganized directory structure to flat layout
- Removed --gnu flag from Keil project
- Keil generates aeabi compliant libraries for use with other toolchains (like IAR)

### Known issues

- To use with LPCOpen v2.xx examples the libraries must be manually copied to the software/lpcspifilib/lib/xxxx folder
- Option SPIFI\_CAP\_NOBLOCK is not implemented.
- Will break IAR examples in LPCOpen v2.12 [Libraries in projects must be renamed from lib\_lpcspifi\_Mx.a to lib\_lpcspifi\_Mx.a]

## LPCSPIFI Library v1.01 release (Released: 12/11/2014): Library updates

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### Changes

- Changed reported device string on S25FL512S from "S25FL512S 256kSec" to "S25FL512S".
- Changelog update: Added support for MX25L1635E, MX25L6435E, MX25L8035E, S25FL016K, S25FL064P, S25FL128S, S25FL256S, S25FL512S, W25Q16DV, and W25Q64FV devices.
- Changelog update: Changed maxRead to 16128 (was 32768).

### Known issues

- Option SPIFI\_CAP\_NOBLOCK is not implemented.
- Will break IAR examples in LPCOpen v2.12 [Libraries in projects must be renamed from lib\_lpcspifi\_Mx.a to lib\_lpcspifi\_Mx.a]

## LPCSPIFI Library v1.00 release (Released: 12/05/2014): Library updates

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### Changes

- Added support for MX25L1635E, MX25L6435E, MX25L8035E, S25FL016K, S25FL064P, S25FL128P, S25FL256S, S25FL512S, W25Q16DV, and W25Q64FV devices
- Added support for device enumeration
- Added support for device base address return
- Improved read/write performance by issuing dword access to spifi controller
- Changed device structure to use function enum to facilitate adding external devices without recompiling library
- Added support for dual read / write.
- Changed quad command to quad io read (improved performance).
- Added ability for device to define read / write configuration word on a per device basis.
- Changed maxRead to 16383 (was 32768)
- Removed API spifiDelInit();
- Renamed spifiDevGetInfo option SPIFI\_INFO\_MAX\_QUADREAD\_CLOCK to SPIFI\_INFO\_MAX\_HSREAD\_CLOCK
- Renamed spifiDevGetInfo option SPIFI\_INFO\_MAX\_QUADPROG\_CLOCK to SPIFI\_INFO\_MAX\_HSPROG\_CLOCK

### Known issues

- Option SPIFI\_CAP\_NOBLOCK is not implemented.
- Will break IAR examples in LPCOpen v2.12 [Libraries in projects must be renamed from lib\_lpcspifi\_Mx.a to lib\_lpcspifi\_Mx.a]

## LPCSPIFI Library v0.06 (Beta) release (Released: 06/25/2014): Library updates

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### Changes

- Changed identify to allow dynamic ID bytes per MFG/PART #. Moved to common module.
- Added support for S25FL129P.
- API Changes:
  - ADD spifiDevGetFamilyName(...)
  - DEPRICATED spifiDevGetDeviceName(...)
  - ADD SPIFI\_REG\_FAMILY\_Spansion\_2Byte\_PStatus()
  - DEPRICATED SPIFI\_REG\_FAMILY\_SpansionS25FLP()
  - ADD SPIFI\_REG\_FAMILY\_Spansion\_3Byte\_Status()
  - DEPRICATED SPIFI\_REG\_FAMILY\_SpansionS25FL1()
  - ADD SPIFI\_REG\_FAMILY\_Macronix\_2Byte\_Status()
  - DEPRICATED SPIFI\_REG\_FAMILY\_MacronixMX25L()
- Synchronized variable / function names between families to aid in comparison.
- Removed Chip.h dependency.
- Code/Memory optimizations.
- LPCXpresso XML projects added.
- M0 Library added.
- Sub-block erase enabled for devices with full device addressability.
- IAR library renamed to match Keil library.

### Known issues

- Option SPIFI\_CAP\_NOBLOCK is not implemented. (Carried forward)
- Will break IAR examples in LPCOpen v2.12 [Libraries in projects must be renamed from lib\_lpcspifi\_Mx.a to lib\_lpcspifi\_Mx.a]

## LPCSPIFI Library v0.05 (Beta) release (Released: 05/15/2014): Initial Source Release

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### Changes

- Comment cleanup.
- Added support for 40xx series
- Changed spifilnit() api to include spifi control register address.
- Changed spifilnitDevice() to include spifi control register address.

### Known issues

- Option SPIFI\_CAP\_NOBLOCK is not implemented.
- Option SPIFI\_CAP\_SUBBLKERASE is not working.
- Device S25FL129P is un-tested.

## LPCSPIFI Library v0.04 release (Released: 04/25/2014): Initial Beta package (Pilot)

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### Changes

- Initial pilot (beta) release

### Known issues

- Option SPIFI\_CAP\_NOBLOCK is not implemented.
- Option SPIFI\_CAP\_SUBBLKERASE is not working.
- Device S25FL129P is un-tested.

## How to Reach Us

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