
Product Name	XMC Libraries (XMC Lib)
Release Version	V1.0.0
Type Of Release*	Production
Name of the Supplier	Infineon Technologies AG
Mode of Release	Infineon Security Server
Date of Release	21.02.2015
Previous Version	-

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* All types of releases named as Alpha, Beta, Release Candidate and Patch are not intended to be used for production code.

1 Released Items

1.1 XMC Libraries (XMC Lib)

This update site contains the following **27** XMC Libraries which supports XMC4000 and XMC1000 family microcontrollers.

No	XMC Libs	Version	XMC45	XMC44	XMC42	XMC41	XMC13	XMC12	XMC11
1	ACMP	1.0.2	NA	NA	NA	NA	YES	YES	NA
2	BCCU	1.0.2	NA	NA	NA	NA	YES	YES	NA
3	CAN	1.0.2	YES	YES	YES	YES	NA	NA	NA
4	CCU4	1.0.2	YES	YES	YES	YES	YES	YES	YES
5	CCU8	1.0.2	YES	YES	YES	YES	YES	NA	NA
6	DAC	1.0.2	YES	YES	YES	YES	NA	NA	NA
7	DMA	1.0.2	YES	YES	YES	YES	NA	NA	NA
8	EBU	1.0.2	YES	NA	NA	NA	NA	NA	NA
9	ERU	1.0.2	YES	YES	YES	YES	YES	YES	YES
10	FCE	1.0.2	YES	YES	YES	YES	NA	NA	NA
11	FLASH	1.0.2	YES	YES	YES	YES	YES	YES	YES
12	GPIO	1.0.2	YES	YES	YES	YES	YES	YES	YES
13	HRPWM	1.0.2	NA	YES	YES	YES	NA	NA	NA
14	I2C	1.0.2	YES	YES	YES	YES	YES	YES	YES
15	LEDTS	1.0.2	YES	YES	YES	YES	NA	YES	NA
16	MATH	1.0.2	NA	NA	NA	NA	YES	NA	NA
17	PAU	1.0.2	NA	NA	NA	NA	YES	YES	YES
18	POSIF	1.0.2	YES	YES	YES	YES	YES	NA	NA
19	PRNG	1.0.2	NA	NA	NA	NA	YES	YES	YES
20	RTC	1.0.2	YES	YES	YES	YES	YES	YES	YES
21	SCU	1.0.2	YES	YES	YES	YES	YES	YES	YES
22	SDMMC	1.0.2	YES	NA	NA	NA	NA	NA	NA
23	SPI	1.0.2	YES	YES	YES	YES	YES	YES	YES
24	UART	1.0.2	YES	YES	YES	YES	YES	YES	YES
25	USBD	1.0.2	YES	YES	YES	YES	NA	NA	NA
26	VADC	1.0.2	YES	YES	YES	YES	YES	YES	YES
27	WDT	1.0.2	YES	YES	YES	YES	YES	YES	YES

1.2 XMC Lib - Test conditions

- Libraries for the XMC4500 series are verified on all supported derivatives; fully functional test is applied with XMC4500-F144x1024.
- Libraries for the XMC4400 series are verified on all supported derivatives; fully functional test is applied with XMC4400-F100x512.
- Libraries for the XMC4200 series are verified on all supported derivatives; fully functional test is applied with XMC4200-Q48x256.
- Libraries for the XMC1100 series are verified on all supported derivatives; fully functional test is applied with XMC1100-T038F0064.
- Libraries for the XMC1200 series are verified on all supported derivatives; fully functional test is applied with XMC1200-T038F0200.
- Libraries for the XMC1300 series are verified on all supported derivatives; fully functional test is applied with XMC1302-T038F0200.
- Compilers used :
 - KEIL: V5.10.0.2
 - IAR: V6.50.6.4958
 - TASKING: V5.1r1 patch
 - GCC compiler version ARM-GCC-49

2 Support Packages

None

3 Tool Information

XMC Lib	XMC Libraries are provided as tool agnostic package
KEIL MDK CMSIS PACK	XMC Libraries are bundled with CMSIS PACK for Keil MDK
DAVE	XMC Libraries are bundled with DAVE v4.0.0 Libraries (update site)

4 Changes from Previous Version

Initial version.

5 Installation Requirements

- DAVE v4.0.0 should be installed or use any other compiler tool chain supporting Infineon Technologies XMC Microcontrollers, e.g. Atollic, IAR, Keil MDK, Rowley, TASKING

6 List of known Issues

Please refer section 7.

7 List of Limitations and Deviations

Module	Limitation / Deviation
SDMMC	SDMMC driver tested with an SD card. , It wasn't tested with an MMC card (but it is expected that it works fine on MMC interface)
<ul style="list-style-type: none"> • ETH (Ethernet), • DSD (Delta Sigma Demodulator), • USBH (USB Host) 	These peripheral drivers are not yet included in the XMC Lib package
SCU LLD	Features related to power features (Hibernate, Sleep, LPAC etc) not supported
VADC LLD	SHS related functionalities are not supported completely (Applicable only for XMC1000 devices)
ALL	When using Tasking compiler – recommended to use ver 5.1r1 and above

8 XMC Libs Revision History

Initial version (1.0.0)