Product Name	List of Device Description Libraries
Release Version	Refer section 1
Type Of Release*	Productive
Name of the Supplier	Infineon Technologies AG
Mode of Release	Infineon Server(http://dave.infineon.com/)
Date of Release	2017-06-30
Previous Version	Refer Device Description Libraries release notes 2017-03-17

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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

In total there are 71 Device Description Libraries.

1.1 XMC4800 Device Description Libraries

Sl.no	Device Description Library Name	Devices supported	Version
1	XMC4800_E196_DeviceDescriptions_Library	XMC4800-E196x2048 XMC4800-E196x1536 XMC4800-E196x1024	4.0.16
2	XMC4800_F100_DeviceDescriptions_Library	XMC4800-F100x2048 XMC4800-F100x1536 XMC4800-F100x1024	4.0.12
3	XMC4800_F144_DeviceDescriptions_Library	XMC4800-F144x2048 XMC4800-F144x1536 XMC4800-F144x1024	4.0.14

1.2 XMC4700 Device Description Libraries

Sl.no	Device Description Library Name	Devices supported	Version
1	XMC4700_E196_DeviceDescriptions_Library	XMC4700-E196x2048 XMC4700-E196x1536	4.0.12
2	XMC4700_F100_DeviceDescriptions_Library	XMC4700-F100x2048 XMC4700-F100x1536	4.0.8
3	XMC4700_F144_DeviceDescriptions_Library	XMC4700-F144x2048 XMC4700-F144x1536	4.0.10

1.3 XMC4500 Device Description Libraries

Sl.no	Device Description Library Name	Devices supported	Version
1	XMC4500_E144_DeviceDescriptions_Library	XMC4500-E144x1024	4.0.12
2	XMC4500_F100_DeviceDescriptions_Library	XMC4500-F100x1024, XMC4500-F100x768	4.0.12
3	XMC4500_F144_DeviceDescriptions_Library	XMC4500-F144x1024, XMC4500-F144x768	4.0.12
4	XMC4502_F100_DeviceDescriptions_Library	XMC4502-F100x768	4.0.12
5	XMC4504_F100_DeviceDescriptions_Library	XMC4504-F100x512	4.0.12
6	XMC4504_F144_DeviceDescriptions_Library	XMC4504-F144x512	4.0.12

1.4 XMC4400 Device Description Libraries

Sl.no	Device Description Library Name	Devices supported	Version
1	XMC4400_F100_DeviceDescriptions_Library	XMC4400-F100x512, XMC4400-F100x256	4.0.12
2	XMC4400_F64_DeviceDescriptions_Library	XMC4400-F64x512, XMC4400-F64x256	4.0.14
3	XMC4402_F100_DeviceDescriptions_Library	XMC4402-F100x256	4.0.12
4	XMC4402_F64_DeviceDescriptions_Library	XMC4402-F64x256	4.0.14

1.5 XMC4300 Device Description Libraries

Sl.no	Device Description Library Name	Devices supported	Version
1	XMC4300_F100_DeviceDescriptions_Library	XMC4300-F100x256	4.0.8

1.6 XMC4200 Device Description Libraries

Sl.no	Device Description Library Name	Devices supported	Version
1	XMC4200_F64_DeviceDescriptions_Library	XMC4200-F64x256,	4.0.12
2	XMC4200_Q48_DeviceDescriptions_Library	XMC4200-Q48x256	4.0.12

1.7 XMC4100 Device Description Libraries

Sl.no	Device Description Library Name	Devices supported	Version
1	XMC4100_F64_DeviceDescriptions_Library	XMC4100-F64x128	4.0.12
2	XMC4100_Q48_DeviceDescriptions_Library	XMC4100-Q48x128	4.0.12
3	XMC4104_F64_DeviceDescriptions_Library	XMC4104-F64x64, XMC4104-F64x128	4.0.12
4	XMC4104_Q48_DeviceDescriptions_Library	XMC4104-Q48x64, XMC4104-Q48x128	4.0.12
5	XMC4108_Q48_DeviceDescriptions_Library	XMC4108-Q48x64	4.0.10
6	XMC4108_F64_DeviceDescriptions_Library	XMC4108-F64x64	4.0.10

1.8 XMC1400 Device Description Libraries

Sl.no	Device Description Library Name	Devices supported	Version
1	XMC1404_Q064_DeviceDescriptions_Library	XMC1404-Q064x0064 XMC1404-Q064x0128 XMC1404-Q064x0200	4.0.8
2	XMC1404_F064_DeviceDescriptions_Library	XMC1404-F064x0064 XMC1404-F064x0128 XMC1404-F064x0200	4.0.8
3	XMC1404_Q048_DeviceDescriptions_Library	XMC1404-Q048x0064 XMC1404-Q048x0128 XMC1404-Q048x0200	4.0.8
4	XMC1403_Q064_DeviceDescriptions_Library	XMC1403-Q064x0064 XMC1403-Q064x0128 XMC1403-Q064x0200	4.0.8
5	XMC1403_Q048_DeviceDescriptions_Library	XMC1403-Q048x0064 XMC1403-Q048x0128 XMC1403-Q048x0200	4.0.8
6	XMC1403_Q040_DeviceDescriptions_Library	XMC1403-Q040x0064 XMC1403-Q040x0128 XMC1403-Q040x0200	4.0.4
7	XMC1402_Q064_DeviceDescriptions_Library	XMC1402-Q064x0064 XMC1402-Q064x0128 XMC1402-Q064x0200	4.0.8
8	XMC1402_T038_DeviceDescriptions_Library	XMC1402-T038x0032 XMC1402-T038x0064 XMC1402-T038x0128 XMC1402-T038x0200	4.0.4
9	XMC1402_Q048_DeviceDescriptions_Library	XMC1402-Q048x0064 XMC1402-Q048x0128 XMC1402-Q048x0200	4.0.8
10	XMC1402_Q040_DeviceDescriptions_Library	XMC1402-Q040x0064 XMC1402-Q040x0128 XMC1402-Q040x0200	4.0.10
11	XMC1402_F064_DeviceDescriptions_Library	XMC1402-F064x0064 XMC1402-F064x0128 XMC1402-F064x0200	4.0.8
12	XMC1401_Q048_DeviceDescriptions_Library	XMC1401-Q048x0064 XMC1401-Q048x0128	4.0.6
13	XMC1401_F064_DeviceDescriptions_Library	XMC1401-F064x0064 XMC1401-F064x0128	4.0.6

1.9 XMC1300 Device Description Libraries

Sl.no	Device Description Library Name	Devices supported	Version
1	XMC1302_T038_DeviceDescriptions_Library	XMC1302-T038x0016, XMC1302-T038x0032, XMC1302-T038x0064, XMC1302-T038x0128, XMC1302-T038x0200	4.0.10
2	XMC1301_T016_DeviceDescriptions_Library	XMC1301-T016x0008, XMC1301-T016x0016, XMC1301-T016x0032.	4.0.10
3	XMC1301_T038_DeviceDescriptions_Library	XMC1301-T038x0008, XMC1301-T038x0016, XMC1301-T038x0032.	4.0.10
4	XMC1301_Q024_DeviceDescriptions_Library	XMC1301-Q024x0008, XMC1301-Q024x0016	4.0.10
5	XMC1301_Q040_DeviceDescriptions_Library	XMC1301-Q040x0008, XMC1301-Q040x0016, XMC1301-Q040x0032	4.0.10
6	XMC1302_Q024_DeviceDescriptions_Library	XMC1302-Q024x0016, XMC1302-Q024x0032, XMC1302-Q024x0064	4.0.10
7	XMC1302_Q040_DeviceDescriptions_Library	XMC1302-Q040x0016, XMC1302-Q040x0032, XMC1302-Q040x0064, XMC1302-Q040x0128, XMC1302-Q040x0200	4.0.10
8	XMC1302_T016_DeviceDescriptions_Library	XMC1302-T016x0008, XMC1302-T016x0016, XMC1302-T016x0032	4.0.10
9	XMC1302_T028_DeviceDescriptions_Library	XMC1302-T028x0016	4.0.0

1.10 XMC1200 Device Description Libraries

Sl.no	Device Description Library Name	Devices supported	Version
1	XMC1200_T038_DeviceDescriptions_Library	XMC1200-T038x0200	4.0.10
2	XMC1201_T038_DeviceDescriptions_Library	XMC1201-T038x0016, XMC1201-T038x0032, XMC1201-T038x0064, XMC1201-T038x0128, XMC1201-T038x0200.	4.0.10
3	XMC1201_T028_DeviceDescriptions_Library	XMC1201-T028x0016, XMC1201-T028x0032.	4.0.2
4	XMC1202_T016_DeviceDescriptions_Library	XMC1202-T016x0016, XMC1202-T016x0032, XMC1202-T016x0064	4.0.10
5	XMC1202_T028_DeviceDescriptions_Library	XMC1202-T028x0016, XMC1202-T028x0032	4.0.10
6	XMC1201_Q040_DeviceDescriptions_Library	XMC1201-Q040x0016 XMC1201-Q040x0032 XMC1201-Q040x0064 XMC1201-Q040x0128 XMC1201-Q040x0200	4.0.10
7	XMC1202_Q024_DeviceDescriptions_Library	XMC1202-Q024x0016 XMC1202-Q024x0032	4.0.10
8	XMC1202_Q040_DeviceDescriptions_Library	XMC1202-Q040x0016 XMC1202-Q040x0032	4.0.10

1.11 XMC1100 Device Description Libraries

Sl.no	Device Description Library Name	Devices supported	Version
1	XMC1100_T016_DeviceDescriptions_Library	XMC1100-T016x0008, XMC1100-T016x0016, XMC1100-T016x0032, XMC1100-T016x0064	4.0.10
2	XMC1100_T038_DeviceDescriptions_Library	XMC1100-T038x0016, XMC1100-T038x0032, XMC1100-T038x0064	4.0.10
3	XMC1100_Q024_DeviceDescriptions_Library	XMC1100-Q024x0008, XMC1100-Q024x0016, XMC1100-Q024x0032, XMC1100-Q024x0064	4.0.10
4	XMC1100_Q040_DeviceDescriptions_Library	XMC1100-Q040x0016, XMC1100-Q040x0032, XMC1100-Q040x0064	4.0.10

1.12 TLE9869/79 Device Description Libraries

Sl.no	Device Description Library Name	Devices supported	Version
1	TLE9869QXA20_DeviceDescriptions_Library	TLE9869- QXA20	4.0.4
2	TLE9879QXA40_DeviceDescriptions_Library	TLE9879- QXA40	4.0.4
3	TLE9867QXA40_DeviceDescriptions_Library	TLE9867-QXA40	4.0.0
4	TLE9867QXA20_DeviceDescriptions_Library	TLE9867-QXA20	4.0.0
5	TLE9861QXA20_DeviceDescriptions_Library	TLE9861-QXA20	4.0.0
6	TLE9879QXA20_DeviceDescriptions_Library	TLE9879- QXA20	4.0.0
7	TLE9879QXA20_DeviceDescriptions_Library	TLE9879- QXA20	4.0.0
8	TLE9879QXW40_DeviceDescriptions_Library	TLE9879- QXW40	4.0.0
9	TLE9877QXW40_DeviceDescriptions_Library	TLE9877- QXW40	4.0.0
10	TLE9877QXA40_DeviceDescriptions_Library	TLE9877- QXA40	4.0.0
11	TLE9873QXW40_DeviceDescriptions_Library	TLE9873- QXW40	4.0.0
12	TLE9871QXA20_DeviceDescriptions_Library	TLE9871-QXA20	4.0.0

2 Support Packages

None

3 Tool Information

DAVE™	DAVETM v4.1.2 or higher version. We recommend using Dave v4.3.2 or higher versions.
JAVA	JRE8 v1.8.0 (JRE is bundled with DAVE)

Important Note:

This Update site of DAVE™ APPs, Device pack, Device Descriptions works with DAVE™ v4.1.2 or higher versions.
This update site must not be used with DAVE™ v4.0.0

4 Changes from Previous Version

4.1 Changes from previous version 2017-03-17 update site

Sl.no	Description of change
1	Fix: - Issue with not available CCU8x service request signals fixed: XMC4100_F64 (v4.0.12 -> v4.0.14) XMC4100_Q48 (v4.0.12 -> v4.0.14) XMC4104_F64 (v4.0.12 -> v4.0.14) XMC4104_Q48 (v4.0.12 -> v4.0.14) XMC4108_F64 (v4.0.10 -> v4.0.12) XMC4108_Q48 (v4.0.10 -> v4.0.12) XMC4200_F64 (v4.0.12 -> v4.0.14) XMC4200_Q48 (v4.0.12 -> v4.0.14)
2	Fix: Added missing BCCU output channel connections to Hardware I/O Controlled Functions: XMC1402_F064 (v4.0.8 -> v4.0.10) XMC1402_Q040 (v4.0.10 -> v4.0.12) XMC1402_Q048 (v4.0.8 -> v4.0.10) XMC1402_Q064 (v4.0.8 -> v4.0.10) XMC1402_T038 (v4.0.4 -> v4.0.6) XMC1404_F064 (v4.0.8 -> v4.0.10) XMC1404_Q048 (v4.0.8 -> v4.0.10) XMC1404_Q064 (v4.0.8 -> v4.0.10)

4.2 Changes from previous version 2016-09-02 update site

Sl.no	Description of change
1	Fix: ECAT MDIO input multiplexer corrected in following Device Descriptions: XMC4300_F100 XMC4800_F100 XMC4800_F144 XMC4800_E196
2	Fix: Connections between HRPWM and CCU4 in following Device Descriptions added: XMC4100_F64 XMC4100_Q48 XMC4104_F64 XMC4104_Q48 XMC4200_F64 XMC4200_Q48
3	Fix: QSPI connection XMC4400_F64 XMC4402_F64

4.3 Changes from previous version 2016-05-17 update site

Sl.no	Description of change
1.	Added new DDs to support new package variants: 1. XMC1403-Q040 2. XMC1402-T038 3. XMC1302-T028 4. XMC1201-T028
2.	Added support for new flash variants: 1. XMC1202_T016x0064 2. XMC1302_Q040x0200 3. XMC1301_T016x0032 4. XMC1402_Q040x0200 5. XMC1402_Q048x0200
3.	Fixes: 1. CCU4/CCU8: a. cmc_tce bit mux bit field is added to support concatenation based on the signal connectivity. b. Missing sr signals are added. 2. ADC SHS: a. For XMC1100_Q024, XMC1100_Q016, XMC1000_T038, XMC100_T016 devices added new peripheral dd. b. Added shs_sel signal in the config resource group. 3. USIC (Added missed connections): a. For XMC47/XMC48 i. 1. U1C0: dx0e -> 1.14 ii. 2. U2C0: dx0d -> 6.5 iii. 3. U2C0: dx0e -> 9.4 iv. 4. U2C1: dx2c -> 9.8 v. 5. U2C1: dx1c -> 9.9 b. For XMC14: i. 1. U1C0: dout0 -> 1.5 ii. 2. U1C0:dx1e -> 3.4 4. CAN (Added missed connections): a. For XMC43 i. for can node 0, tx pin 2.0 5. BCCU (Added missed connections): a. for XMC14 device i. BCCU0.c8:out -> 4.5

4.4 Changes from previous version 2016-04-28 update site

Sl.no	Description of change
1	Fixed an issue with the url of the rtc_port signals used in interconnection for XMC1402-Q040 Device. With this fix pins P0.8 and P0.9 can be assigned using Manual Pin assignment.

4.5 Changes from previous version 2016-04-04 update site

Sl.no	Description of change
1	The connection between ECAT (sync0, sync1) and ERU (2B3, 3A3) module signals are fixed for XMC4800-E196, XMC4800-F144, XMC4800-F100 and XMC4300-F100 devices
2	The connection between UART RX signal to port pin P4.6 is added for XMC4800-E196, XMC4800-F144, XMC4700-E196 and XMC4700-F144.

4.6 Changes from previous version 2016-03-03 update site

Sl.no	Description of change
1	For XMC4800-E196 device the wrong pin connection to p0_tx_clkc signal has been corrected. Initially it was with P9.0 the corrected one is P9.1
2	For XMC4800-E196 and XMC4700-E196 devices the missing pin J12 declaration is corrected. Due to this, the selection of output pins for CCU81 CC80/1/2/3 was not possible. Now this issue has been resolved after correcting the pin J12 declaration.

4.7 Changes from previous version 2016-02-15 update site

Sl.no	Description of change
1	Existing TLE Device Descriptions for TLE9869-QXA20 and TLE9879-QXA40 are updated with the dummy eco files to fix the issue “APPs for TLE device cannot be added in TLE project due missing fix of DDD.
2	10 New TLE Device Descriptions are added.

4.8 Changes from previous version 2015-10-30 update site

Sl.no	Description of change
1	All the Device Description libraries are updated with the solver version 20160211.
2	1 New XMC4300 Device Description is added.
3	6 XMC1400 Device Description Libraries are updated with the following changes, ❖ HW IO pin functionalities is made available for USIC1_CH0.DOUT0, USIC1_CH0.DOUT1, USIC1_CH0.DOUT2 and USIC1_CH0.DOUT3.

4.9 Changes from previous version 2015-07-23 update site

Sl.no	Description of change
1	All the Device Description libraries are updated with solver version 20150904.
2	6 New XMC4800/4700 Device Descriptions are added.
3	11 New XMC1400 Device Descriptions are added.
4	18 XMC4000 Device Description Libraries are updated with the following changes, ❖ VADC iClass changes done. ❖ CPU Interrupt connectivity changes done. ❖ Pad 2.0 in XMC4200 is not connected to can tx issue is fixed.
5	19 XMC1000 Device Description Libraries are updated with the following changes, ❖ VADC Changes done. ❖ CPU Interrupt connectivity changes done. ❖ CPU Hard fault resource group addition done. ❖ UART [4.0.1] - P2.2 is not available for selection for XMC1100 issue is fixed.

4.10 Changes from previous version 2015-02 update site

Sl.no	Description of change
1	All the Device Description libraries are updated with solver version 20150712.
2	18 XMC4000 Device Description Libraries are updated with the following changes, ❖ ETH peripheral register names changed in upper case. ❖ ETH Peripheral register ETH CON address is corrected. ❖ CPU Peripheral nmi resource group is changed from /exception/nmi/1 to /exception/nmi/. ❖ HRPWM Peripheral CSG signal added. ❖ ERUNMI resource group corrected. ❖ Triggering NMI exception for EVENT_GENERATOR APP corrected. ❖ Peripheral Names in the device description uses names as defined in SVD.
3	19 XMC1000 Device Description Libraries are updated with the following changes, ❖ DXxINS to DXyINS connections of USIC peripheral signals are supported. (x = 0-5, y = 0-5) ❖ Strange issue related to MANCHESTER_SW APP is corrected. ❖ ADC_MEASUREMENT APP ‘Unused Solver Variable’ issue is fixed. ❖ Instantiation of multiple INTERRUPT APPs issue is fixed. ❖ Peripheral Names in the device description uses names as defined in SVD.
4	2 TLE98x9 Device Description Libraries are updated with the following changes, ❖ All peripheral device descriptions version changed.

5 Installation Requirements

- DAVE™ v4.1.2 or higher version should be installed.
- We recommend using Dave v4.3.2 or higher versions.

Important Note:

This Update site of DAVE™ APPs, Device pack, Device Descriptions works with DAVE™ v4.1.2 or higher versions. This update site must not be used with the DAVE™ v4.0.0

6 List of Issues and Limitations

Module	Description

Important Note:

This Update site of DAVE™ APPs, Device pack, Device Descriptions works with DAVE™ v4.1.2 or higher versions. This update site must not be used with the DAVE™ v4.0.0

7 Device Description Revision History

Note: Respective information is now moved to chapter 4.