Product Name	DAVEApps_HMI_Library_001
Release Version	V1.0.6
Type Of Release*	Beta
Name of the Supplier	Infineon Technologies AG
Mode of Release	Infineon Security Server, Update Sites and IShare
Date of Release	18.09.2014
Previous Version	V1.0.4

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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 DAVEApps_HMI_Library_001

This DAVE Apps library contains DAVE Apps dedicated for HMI Applications. It contains DAVE Apps for the HMI Applications of GUI, Touch and LEDs. The DAVEApps_HMI_Library_001 Library contains the following 13 DAVE Apps which supports XMC4000 and XMC1000 family microcontrollers.

No	DAVE App	Version	XMC45	XMC44	XMC42	XMC41	XMC13	XMC12	XMC11
1	COL01	1.0.0, 1.0.4						Yes	
2	COLA01	1.0.0, 1.0.4						Yes	
3	DISP_7SEG01	1.0.0, 1.0.4						Yes	
4	DOTMATRIX01	1.0.4, 1.0.6						Yes	
5	GUIKB001	1.0.4; 1.0.8	Yes	Yes					
6	GUILC001	1.0.12; 1.0.14	Yes	Yes			Yes	Yes	
7	GUIMS001	1.0.4; 1.0.8	Yes	Yes					
8	GUISL001	1.0.18; 1.0.22	Yes	Yes			Yes	Yes	
9	GUISL002	1.0.0	Yes						
10	GUITS001	1.0.0	Yes						
11	LEDMATRIX01	1.0.0, 1.0.4						Yes	
12	LEDTS001	1.0.0	Yes						
13	LEDTSGLOBAL	1.0.4, 1.0.6						Yes	

1.2 DAVESupport App

The DAVESupport App provides the Initialization function and a function for Solver configured multiplexer register values. The DAVESupport App is added to DAVE CE Project by default and is not visible in the App Graph view.

1.3 DAVE Apps Test conditions

- DAVE Apps for the XMC4500 series are verified on all supported derivatives, fully functional test is applied with XMC4500-F144x1024.
- DAVE Apps for the XMC4400 series are verified on all supported derivatives, fully functional test is applied with XMC4400-F100x512.
- DAVE Apps for the XMC1200 series are verified on all supported derivatives, fully functional test is applied with XMC1200-T038F0200.
- DAVE Apps for the XMC1300 series are verified on all supported derivatives, fully functional test is applied with XMC1302-T038F0200.
- On XMC4000 controllers, only 12 MHz external oscillator is selected.

2 Support Packages

None

3 Tool Information

DAVE	DAVE v3.1.8 or higher version
JAVA	jre6 & product version 1.6.0_24

Important Note:

The DAVE Apps Library Update site v1.0.66 works only with DAVE v3.1.8 or higher version. This update site should not be used with older versions of the DAVE.

4 Changes from Previous Version

4.1 Changes from previous version v1.0.4

Sl.no	Description of change
1	2 Apps updated – DOTMATRIX01, LEDTSGLOBAL

4.2 Changes from previous version v1.0.2

Sl.no	Description of change
1	1 App updated – GUILC001.

4.3 Changes from previous version v1.0.0

Sl.no	Description of change
1	2 Apps updated for functional changes and device support – GUISL001 and GUILC001
2	8 Apps updated with device support – COL01, COLA01, DISP_7SEG01, DOTMATRIX01, LEDMATRIX01, LEDTSGLOBAL, GUIKB001, GUIMS001
3	Device support extended for XMC4500-AC step, XMC4400-AB step, XMC4200-AB step and XMC1000 VQFN devices.

4.4 The Apps have been transferred from the Apps library: DAVEApps_Library_001 v1.0.50

Sl.no	Description of change
1	8 New Apps are added – COL01, COLA01, DISP_7SEG01, DOTMATRIX01, LEDMATRIX01 and LEDTSGLOBAL.
2	7 Apps are transferred to this newly created HMI library, DAVEApps_HMI_Library_001 from DAVEApps_Library_001: GUIKB001, GUILC001, GUIMS001, GUISL001, GUITS001 and LEDTS001. 2 Apps are updated – GUILC001 and GUISL001.

5 Installation Requirements

- DAVE v3.1.8 or higher version should be available.

Important Note:

The DAVE Apps Library Update site v1.0.66 works only with DAVE v3.1.8 or higher version. This update site should not be used with older versions of the DAVE.

6 List of known Issues

Please refer section 7.

7 List of Limitations and Deviations

Module	Limitation / Deviation
GUISL001	GUISL001 apps provide the touch button function which required GUITS001 app and this app is not available yet for XMC4400 series. Therefore, when enabled the “Use Touch Pad device” option it will generate error.
DOTMATRIX01	Migration between v1.0.0 to 1.0.4/1.0.6 will not work. Migration tool issues only a warning. Workaround: V1.0.4 or 1.0.6 app should be used. App (v1.0.0) should be removed from the existing project and recommended to add new app (v1.0.6).

Important Note:

The DAVE Apps Library Update site v1.0.66 works only with DAVE v3.1.8 or higher version. This update site should not be used with older versions of the DAVE.

8 DAVE Apps Revision History

8.1 COL01

8.1.1 COL01_v1_0_4

List of changes to previous version

Reference number	Description of change
	XMC1000 VQFN package support added;

8.2 COLA01

8.2.1 COLA01_v1_0_4

List of changes to previous version

Reference number	Description of change
	XMC1000 VQFN package support added;

8.3 DISP_7SEG01

8.3.1 DISP_7SEG01_v1_0_4

List of changes to previous version

Reference number	Description of change
	XMC1000 VQFN package support added;

8.4 DOTMATRIX01

8.4.1 DOTMATRIX01_v1_0_6

List of changes to previous version

Reference number	Description of change
TP # 41188	Lookup table has enhanced to support space character

8.4.2 DOTMATRIX01_v1_0_4

List of changes to previous version

Reference number	Description of change
	Enable option provided for 5x7 LED display in UI. XMC1000 VQFN package support added.

8.5 GUIKB001

8.5.1 GUIKB001_v1_0_8

List of changes to previous version

Reference number	Description of change
	C++ support added. XMC4000 Device support extended for XMC4500 AC step, XMC4400 AB Step

8.5.2 GUIKB001_v1_0_4

List of changes to previous version

Reference number	Description of change
	XMC4500 series AB step supported

8.5.3 GUIKB001_v1_0_2

List of changes to previous version

Reference number	Description of change
	Support for XMC4400 series - added.

8.6 GUIMS001

8.6.1 GUIMS001_v1_0_8

List of changes to previous version

Reference number	Description of change
	C++ support added XMC4000 Device support extended for XMC4500 AC step, XMC4400 AB Step

8.6.2 GUIMS001_v1_0_4

List of changes to previous version

Reference number	Description of change
	XMC4500 series AB step supported

8.6.3 GUIMS001_v1_0_2

List of changes to previous version

Reference number	Description of change
	Support for XMC4400 series - added.

8.7 GUILC001

8.7.1 GUILC001_v1_0_14

List of changes to previous version

Reference number	Description of change
eTicket 421536581	The "#define GUILC001_IOHandle (IO004_Handle<N>)" was generated with wrong IO004 instance number when GUILC001 happens to consume the IO004 App of instance number in 2 digit (>9).

8.7.2 GUILC001_v1_0_12

List of changes to previous version

Reference number	Description of change
	Error codes are added in various functions, that can be logged with DBG002 App. C++ support added

	XMC1000 VQFN package support added; XMC4000 Device support extended for XMC4500 AC step, XMC4400 AB Step

8.7.3 GUILC001_v1_0_8

List of changes to previous version

Reference number	Description of change
	Added support for XMC1201, XMC1301 devices

8.7.4 GUILC001_v1_0_6

List of changes to previous version

Reference number	Description of change
	XMC4500 series AB step supported

8.7.5 GUILC001_v1_0_4

List of changes to previous version

Reference number	Description of change
	IO002 App is replaced with IO004 app

8.7.6 GUILC001_v1_0_02

List of changes to previous version

Reference number	Description of change
	Wrong usage of IO002 App for GPIO is corrected

8.8 GUISL001

8.8.1 GUISL001_v1_0_22

List of changes to previous version

Reference number	Description of change
	Defect ID 36486: Fixed the issue of wrong library mapping in the case of XMC1000 series. Added c++ support XMC1000 VQFN package support added; XMC4000 Device support extended for XMC4500 AC step, XMC4400 AB Step

8.8.2 GUISL001_v1_0_18

List of changes to previous version

Reference number	Description of change
	Added support for XMC1201, XMC1301 devices

8.8.3 GUISL001_v1_0_16

List of changes to previous version

Reference number	Description of change

	XMC4500 series AB step supported

8.8.4 GUISL001_v1_0_14

List of changes to previous version

Reference number	Description of change
	SYSTM001 app consumption is added, if “no devices” option is selected.

8.8.5 GUISL001_v1_0_12

List of changes to previous version

Reference number	Description of change
	Support for XMC4400 series - added.

8.8.6 GUISL001_v1_0_10

List of changes to previous version

Reference number	Description of change
	Support for Touch Sense added

8.8.7 GUISL001_v1_0_8

List of changes to previous version

Reference number	Description of change
	USB Keyboard and Mouse are now supported

8.9 LEDMATRIX01

8.9.1 LEDMATRIX01_v1_0_4

List of changes to previous version

Reference number	Description of change
	XMC1000 VQFN package support added;

8.10 LEDTSGLOBAL

8.10.1 LEDTSGLOBAL_v1_0_6

List of changes to previous version

Reference number	Description of change
	Help documentation updated

8.10.2 LEDTSGLOBAL_v1_0_4

List of changes to previous version

Reference number	Description of change
	XMC1000 VQFN package support added;