

# SDK\_2.x\_USB-KW41Z [API version=2.0.0, Format version=3.0]

## Available devices

MKW41Z512xxx4

## Available boards

USB-KW41Z

## Software components:

Name	Full Name	Type	Brief	Category	Version	URL	Dependencies	Devices	Cores	Roles
<i>adc16</i>	<i>ADC16 Driver</i>	<i>driver</i>	<i>ADC16 Driver</i>		<i>2.0.0</i>		clock common lpuart debug_console Include_common Include_core_cm0 Include_core_cm0plus MKW41Z4_CMSIS	<i>MKW41Z512xxx4</i>		
<i>clock</i>	<i>Clock Driver</i>	<i>driver</i>	<i>Clock Driver</i>		<i>2.1.0</i>		common lpuart debug_console Include_common Include_core_cm0 Include_core_cm0plus MKW41Z4_CMSIS	<i>MKW41Z512xxx4</i>		
<i>cmp</i>	<i>CMP Driver</i>	<i>driver</i>	<i>CMP Driver</i>		<i>2.0.0</i>		clock common lpuart debug_console Include_common Include_core_cm0	<i>MKW41Z512xxx4</i>		

<i>cmt</i>	<i>CMT Driver</i>	<i>driver</i>	<i>CMT Driver</i>	<i>2.0.1</i>	<div style="border: 1px solid gray; padding: 2px;">Include_core_cm0plus</div> <div style="border: 1px solid gray; padding: 2px;">MKW41Z4_CMSIS</div> <div style="border: 1px solid gray; padding: 2px;">clock</div> <div style="border: 1px solid gray; padding: 2px;">common</div> <div style="border: 1px solid gray; padding: 2px;">lpuart</div> <div style="border: 1px solid gray; padding: 2px;">debug_console</div> <div style="border: 1px solid gray; padding: 2px;">Include_common</div> <div style="border: 1px solid gray; padding: 2px;">Include_core_cm0</div> <div style="border: 1px solid gray; padding: 2px;">Include_core_cm0plus</div> <div style="border: 1px solid gray; padding: 2px;">MKW41Z4_CMSIS</div>	<i>MKW41Z512xxx4</i>
<i>common</i>	<i>COMMON Driver</i>	<i>driver</i>	<i>COMMON Driver</i>	<i>2.0.0</i>	<div style="border: 1px solid gray; padding: 2px;">clock</div> <div style="border: 1px solid gray; padding: 2px;">lpuart</div> <div style="border: 1px solid gray; padding: 2px;">debug_console</div> <div style="border: 1px solid gray; padding: 2px;">Include_common</div> <div style="border: 1px solid gray; padding: 2px;">Include_core_cm0</div> <div style="border: 1px solid gray; padding: 2px;">Include_core_cm0plus</div> <div style="border: 1px solid gray; padding: 2px;">MKW41Z4_CMSIS</div>	<i>MKW41Z512xxx4</i>
<i>cop</i>	<i>COP Driver</i>	<i>driver</i>	<i>COP Driver</i>	<i>2.0.0</i>	<div style="border: 1px solid gray; padding: 2px;">clock</div> <div style="border: 1px solid gray; padding: 2px;">common</div> <div style="border: 1px solid gray; padding: 2px;">lpuart</div> <div style="border: 1px solid gray; padding: 2px;">debug_console</div> <div style="border: 1px solid gray; padding: 2px;">Include_common</div> <div style="border: 1px solid gray; padding: 2px;">Include_core_cm0</div> <div style="border: 1px solid gray; padding: 2px;">Include_core_cm0plus</div> <div style="border: 1px solid gray; padding: 2px;">MKW41Z4_CMSIS</div>	<i>MKW41Z512xxx4</i>
<i>dac</i>	<i>DAC Driver</i>	<i>driver</i>	<i>DAC Driver</i>	<i>2.0.1</i>	<div style="border: 1px solid gray; padding: 2px;">clock</div> <div style="border: 1px solid gray; padding: 2px;">common</div> <div style="border: 1px solid gray; padding: 2px;">lpuart</div> <div style="border: 1px solid gray; padding: 2px;">debug_console</div> <div style="border: 1px solid gray; padding: 2px;">Include_common</div> <div style="border: 1px solid gray; padding: 2px;">Include_core_cm0</div> <div style="border: 1px solid gray; padding: 2px;">Include_core_cm0plus</div> <div style="border: 1px solid gray; padding: 2px;">MKW41Z4_CMSIS</div>	<i>MKW41Z512xxx4</i>
<i>dcdc</i>	<i>DCDC Driver</i>	<i>driver</i>	<i>DCDC Driver</i>	<i>2.0.1</i>	<div style="border: 1px solid gray; padding: 2px;">clock</div> <div style="border: 1px solid gray; padding: 2px;">common</div> <div style="border: 1px solid gray; padding: 2px;">lpuart</div> <div style="border: 1px solid gray; padding: 2px;">debug_console</div> <div style="border: 1px solid gray; padding: 2px;">Include_common</div> <div style="border: 1px solid gray; padding: 2px;">Include_core_cm0</div> <div style="border: 1px solid gray; padding: 2px;">Include_core_cm0plus</div> <div style="border: 1px solid gray; padding: 2px;">MKW41Z4_CMSIS</div>	<i>MKW41Z512xxx4</i>

<i>dmamux</i>	<i>DMAMUX Driver</i>	<i>driver</i>	<i>DMAMUX Driver</i>	<i>2.0.2</i>	<div style="display: flex; flex-direction: column; gap: 2px;"> <div style="display: flex; gap: 5px;"><span>clock</span> <span>common</span></div> <div style="display: flex; gap: 5px;"><span>lpuart</span></div> <div style="display: flex; gap: 5px;"><span>debug_console</span></div> <div style="display: flex; gap: 5px;"><span>Include_common</span></div> <div style="display: flex; gap: 5px;"><span>Include_core_cm0</span></div> <div style="display: flex; gap: 5px;"><span>Include_core_cm0plus</span></div> <div style="display: flex; gap: 5px;"><span>MKW41Z4_CMSIS</span></div> <div style="display: flex; gap: 5px;"><span>clock</span> <span>common</span></div> <div style="display: flex; gap: 5px;"><span>lpuart</span></div> <div style="display: flex; gap: 5px;"><span>debug_console</span></div> </div>	<i>MKW41Z512xxx4</i>
<i>dspi</i>	<i>DSPI Driver</i>	<i>driver</i>	<i>DSPI Driver</i>	<i>2.1.4</i>	<div style="display: flex; flex-direction: column; gap: 2px;"> <div style="display: flex; gap: 5px;"><span>Include_common</span></div> <div style="display: flex; gap: 5px;"><span>Include_core_cm0</span></div> <div style="display: flex; gap: 5px;"><span>Include_core_cm0plus</span></div> <div style="display: flex; gap: 5px;"><span>MKW41Z4_CMSIS</span></div> <div style="display: flex; gap: 5px;"><span>clock</span> <span>common</span></div> <div style="display: flex; gap: 5px;"><span>dmamux</span> <span>lpuart</span></div> <div style="display: flex; gap: 5px;"><span>debug_console</span></div> </div>	<i>MKW41Z512xxx4</i>
<i>edma</i>	<i>EDMA Driver</i>	<i>driver</i>	<i>EDMA Driver</i>	<i>2.1.1</i>	<div style="display: flex; flex-direction: column; gap: 2px;"> <div style="display: flex; gap: 5px;"><span>Include_common</span></div> <div style="display: flex; gap: 5px;"><span>Include_core_cm0</span></div> <div style="display: flex; gap: 5px;"><span>Include_core_cm0plus</span></div> <div style="display: flex; gap: 5px;"><span>MKW41Z4_CMSIS</span></div> </div>	<i>MKW41Z512xxx4</i>
<i>flash</i>	<i>Flash Driver</i>	<i>driver</i>	<i>Flash Driver</i>	<i>2.2.0</i>	<div style="display: flex; flex-direction: column; gap: 2px;"> <div style="display: flex; gap: 5px;"><span>NO DEPENDENCIES</span></div> <div style="display: flex; gap: 5px;"><span>clock</span> <span>common</span></div> <div style="display: flex; gap: 5px;"><span>lpuart</span></div> <div style="display: flex; gap: 5px;"><span>debug_console</span></div> </div>	<i>MKW41Z512xxx4</i>
<i>gpio</i>	<i>GPIO Driver</i>	<i>driver</i>	<i>GPIO Driver</i>	<i>2.1.1</i>	<div style="display: flex; flex-direction: column; gap: 2px;"> <div style="display: flex; gap: 5px;"><span>Include_common</span></div> <div style="display: flex; gap: 5px;"><span>Include_core_cm0</span></div> <div style="display: flex; gap: 5px;"><span>Include_core_cm0plus</span></div> <div style="display: flex; gap: 5px;"><span>MKW41Z4_CMSIS</span></div> <div style="display: flex; gap: 5px;"><span>clock</span> <span>common</span></div> <div style="display: flex; gap: 5px;"><span>lpuart</span></div> <div style="display: flex; gap: 5px;"><span>debug_console</span></div> </div>	<i>MKW41Z512xxx4</i>
<i>i2c</i>	<i>I2C Driver</i>	<i>driver</i>	<i>I2C Driver</i>	<i>2.0.3</i>	<div style="display: flex; flex-direction: column; gap: 2px;"> <div style="display: flex; gap: 5px;"><span>Include_common</span></div> <div style="display: flex; gap: 5px;"><span>Include_core_cm0</span></div> <div style="display: flex; gap: 5px;"><span>Include_core_cm0plus</span></div> <div style="display: flex; gap: 5px;"><span>MKW41Z4_CMSIS</span></div> </div>	<i>MKW41Z512xxx4</i>

<i>llwu</i>	<i>LLWU Driver</i>	<i>driver</i>	<i>LLWU Driver</i>	<i>2.0.1</i>	<div style="display: flex; flex-direction: column; gap: 2px;"> <div style="display: flex; gap: 5px;"><span>clock</span><span>common</span></div> <div>lpuart</div> <div>debug_console</div> <div>Include_common</div> <div>Include_core_cm0</div> <div>Include_core_cm0plus</div> <div>MKW41Z4_CMSIS</div> <div style="display: flex; gap: 5px;"><span>clock</span><span>common</span></div> <div>lpuart</div> <div>debug_console</div> </div>	<i>MKW41Z512xxx4</i>
<i>lptmr</i>	<i>LPTMR Driver</i>	<i>driver</i>	<i>LPTMR Driver</i>	<i>2.0.0</i>	<div style="display: flex; flex-direction: column; gap: 2px;"> <div>Include_common</div> <div>Include_core_cm0</div> <div>Include_core_cm0plus</div> <div>MKW41Z4_CMSIS</div> <div style="display: flex; gap: 5px;"><span>clock</span><span>common</span></div> <div>debug_console</div> </div>	<i>MKW41Z512xxx4</i>
<i>lpuart</i>	<i>LPUART Driver</i>	<i>driver</i>	<i>LPUART Driver</i>	<i>2.2.3</i>	<div style="display: flex; flex-direction: column; gap: 2px;"> <div>Include_common</div> <div>Include_core_cm0</div> <div>Include_core_cm0plus</div> <div>MKW41Z4_CMSIS</div> <div style="display: flex; gap: 5px;"><span>clock</span><span>common</span></div> <div>lpuart</div> <div>debug_console</div> </div>	<i>MKW41Z512xxx4</i>
<i>ltc</i>	<i>LTC Driver</i>	<i>driver</i>	<i>LTC Driver</i>	<i>2.0.4</i>	<div style="display: flex; flex-direction: column; gap: 2px;"> <div>Include_common</div> <div>Include_core_cm0</div> <div>Include_core_cm0plus</div> <div>MKW41Z4_CMSIS</div> <div style="display: flex; gap: 5px;"><span>clock</span><span>common</span></div> <div>lpuart</div> <div>debug_console</div> </div>	<i>MKW41Z512xxx4</i>
<i>pit</i>	<i>PIT Driver</i>	<i>driver</i>	<i>PIT Driver</i>	<i>2.0.0</i>	<div style="display: flex; flex-direction: column; gap: 2px;"> <div>Include_common</div> <div>Include_core_cm0</div> <div>Include_core_cm0plus</div> <div>MKW41Z4_CMSIS</div> </div>	<i>MKW41Z512xxx4</i>
<i>pmc</i>	<i>PMC Driver</i>	<i>driver</i>	<i>PMC Driver</i>	<i>2.0.0</i>	<div style="display: flex; flex-direction: column; gap: 2px;"> <div style="display: flex; gap: 5px;"><span>clock</span><span>common</span></div> <div>lpuart</div> </div>	<i>MKW41Z512xxx4</i>

					debug_console Include_common Include_core_cm0 Include_core_cm0plus MKW41Z4_CMSIS clock common lpuart	
<i>port</i>	<i>PORT Driver</i>	<i>driver</i>	<i>PORT Driver</i>	<i>2.0.2</i>	debug_console Include_common Include_core_cm0 Include_core_cm0plus MKW41Z4_CMSIS clock common lpuart	<i>MKW41Z512xxx4</i>
<i>rcm</i>	<i>RCM Driver</i>	<i>driver</i>	<i>RCM Driver</i>	<i>2.0.1</i>	debug_console Include_common Include_core_cm0 Include_core_cm0plus MKW41Z4_CMSIS clock common lpuart	<i>MKW41Z512xxx4</i>
<i>rtc</i>	<i>RTC Driver</i>	<i>driver</i>	<i>RTC Driver</i>	<i>2.0.0</i>	debug_console Include_common Include_core_cm0 Include_core_cm0plus MKW41Z4_CMSIS clock common lpuart	<i>MKW41Z512xxx4</i>
<i>sim</i>	<i>SIM Driver</i>	<i>driver</i>	<i>SIM Driver</i>	<i>2.0.0</i>	debug_console Include_common Include_core_cm0 Include_core_cm0plus MKW41Z4_CMSIS	<i>MKW41Z512xxx4</i>
<i>smc</i>	<i>SMC Driver</i>	<i>driver</i>	<i>SMC Driver</i>	<i>2.0.3</i>	clock common flash lpuart debug_console	<i>MKW41Z512xxx4</i>

<i>tpm</i>	<i>TPM Driver</i>	<i>driver</i>	<i>TPM Driver</i>	<i>2.0.2</i>	<div style="border: 1px solid gray; padding: 2px; margin-bottom: 2px;">Include_common</div> <div style="border: 1px solid gray; padding: 2px; margin-bottom: 2px;">Include_core_cm0</div> <div style="border: 1px solid gray; padding: 2px; margin-bottom: 2px;">Include_core_cm0plus</div> <div style="border: 1px solid gray; padding: 2px; margin-bottom: 2px;">MKW41Z4_CMSIS</div> <div style="border: 1px solid gray; padding: 2px; margin-bottom: 2px;">clock common</div> <div style="border: 1px solid gray; padding: 2px; margin-bottom: 2px;">lpuart</div> <div style="border: 1px solid gray; padding: 2px; margin-bottom: 2px;">debug_console</div> <div style="border: 1px solid gray; padding: 2px; margin-bottom: 2px;">Include_common</div> <div style="border: 1px solid gray; padding: 2px; margin-bottom: 2px;">Include_core_cm0</div> <div style="border: 1px solid gray; padding: 2px; margin-bottom: 2px;">Include_core_cm0plus</div> <div style="border: 1px solid gray; padding: 2px; margin-bottom: 2px;">MKW41Z4_CMSIS</div> <div style="border: 1px solid gray; padding: 2px; margin-bottom: 2px;">clock common</div> <div style="border: 1px solid gray; padding: 2px; margin-bottom: 2px;">lpuart</div> <div style="border: 1px solid gray; padding: 2px; margin-bottom: 2px;">debug_console</div>	<i>MKW41Z512xxx4</i>
<i>trng</i>	<i>TRNG Driver</i>	<i>driver</i>	<i>TRNG Driver</i>	<i>2.0.1</i>	<div style="border: 1px solid gray; padding: 2px; margin-bottom: 2px;">Include_common</div> <div style="border: 1px solid gray; padding: 2px; margin-bottom: 2px;">Include_core_cm0</div> <div style="border: 1px solid gray; padding: 2px; margin-bottom: 2px;">Include_core_cm0plus</div> <div style="border: 1px solid gray; padding: 2px; margin-bottom: 2px;">MKW41Z4_CMSIS</div> <div style="border: 1px solid gray; padding: 2px; margin-bottom: 2px;">clock common</div> <div style="border: 1px solid gray; padding: 2px; margin-bottom: 2px;">lpuart</div> <div style="border: 1px solid gray; padding: 2px; margin-bottom: 2px;">debug_console</div>	<i>MKW41Z512xxx4</i>
<i>tsi_v4</i>	<i>TSI Driver</i>	<i>driver</i>	<i>TSI Driver</i>	<i>2.1.2</i>	<div style="border: 1px solid gray; padding: 2px; margin-bottom: 2px;">Include_common</div> <div style="border: 1px solid gray; padding: 2px; margin-bottom: 2px;">Include_core_cm0</div> <div style="border: 1px solid gray; padding: 2px; margin-bottom: 2px;">Include_core_cm0plus</div> <div style="border: 1px solid gray; padding: 2px; margin-bottom: 2px;">MKW41Z4_CMSIS</div> <div style="border: 1px solid gray; padding: 2px; margin-bottom: 2px;">clock common</div> <div style="border: 1px solid gray; padding: 2px; margin-bottom: 2px;">lpuart</div> <div style="border: 1px solid gray; padding: 2px; margin-bottom: 2px;">debug_console</div>	<i>MKW41Z512xxx4</i>
<i>vref</i>	<i>VREF Driver</i>	<i>driver</i>	<i>VREF Driver</i>	<i>2.1.0</i>	<div style="border: 1px solid gray; padding: 2px; margin-bottom: 2px;">Include_common</div> <div style="border: 1px solid gray; padding: 2px; margin-bottom: 2px;">Include_core_cm0</div> <div style="border: 1px solid gray; padding: 2px; margin-bottom: 2px;">Include_core_cm0plus</div> <div style="border: 1px solid gray; padding: 2px; margin-bottom: 2px;">MKW41Z4_CMSIS</div> <div style="border: 1px solid gray; padding: 2px; margin-bottom: 2px;">clock common</div> <div style="border: 1px solid gray; padding: 2px; margin-bottom: 2px;">lpuart</div> <div style="border: 1px solid gray; padding: 2px; margin-bottom: 2px;">debug_console</div>	<i>MKW41Z512xxx4</i>
<i>debug_console</i>		<i>utilities</i>		<i>1.0.0</i>	<div style="border: 1px solid gray; padding: 2px; margin-bottom: 2px;">clock common</div> <div style="border: 1px solid gray; padding: 2px; margin-bottom: 2px;">lpuart</div> <div style="border: 1px solid gray; padding: 2px; margin-bottom: 2px;">Include_common</div> <div style="border: 1px solid gray; padding: 2px; margin-bottom: 2px;">Include_core_cm0</div>	<i>MKW41Z512xxx4</i>

					Include_core_cm0plus	
					MKW41Z4_CMSIS	
<i>notifier</i>		<i>utilities</i>		1.0.0	NO DEPENDENCIES	MKW41Z512xxx4
<i>images</i>		<i>other</i>		1.0.0	NO DEPENDENCIES	MKW41Z512xxx4
<i>documentation</i>	<i>FatFs documentation</i>	<i>other</i>	<i>FatFs_documentation</i>	1.0.0	ram fatfs fatfs	MKW41Z512xxx4
<i>mmc</i>	<i>Fatfs MMC layer</i>	<i>other</i>	<i>FatFs_MMC</i>	1.0.0	ram fatfs fatfs	MKW41Z512xxx4
<i>ram</i>	<i>Fatfs RAM layer</i>	<i>other</i>	<i>FatFs_RAM</i>	1.0.0	fatfs fatfs	MKW41Z512xxx4
<i>sd</i>	<i>Fatfs SD layer</i>	<i>other</i>	<i>FatFs_SD</i>	1.0.0	ram fatfs fatfs	MKW41Z512xxx4
<i>sdsdspi</i>	<i>Fatfs SDSPI layer</i>	<i>other</i>	<i>FatFs_SDSPI</i>	1.0.0	ram fatfs fatfs	MKW41Z512xxx4
<i>usb</i>	<i>Fatfs USB layer</i>	<i>other</i>	<i>FatFs_USB</i>	1.0.0	ram fatfs fatfs	MKW41Z512xxx4
<i>heap_4</i>	<i>FreeRTOS_heap_4</i>	<i>other</i>	<i>FreeRTOS, heap_4 allocator</i>	9.0.0	NO DEPENDENCIES	MKW41Z512xxx4
<i>tools</i>		<i>other</i>		1.0.0	NO DEPENDENCIES	MKW41Z512xxx4
<i>dma_manager</i>		<i>middleware</i>		2.0.0	clock common dmamux edma lpuart debug_console Include_common Include_core_cm0 Include_core_cm0plus MKW41Z4_CMSIS	MKW41Z512xxx4
<i>fatfs</i>	<i>FAT File System stack</i>	<i>middleware</i>	<i>FatFs</i>	0.12	ram fatfs	MKW41Z512xxx4
<i>generic_lists</i>		<i>middleware</i>	<i>Common framework sources</i>	1.0.0	common	MKW41Z512xxx4
<i>mbedtfs_files</i>		<i>middleware</i>		1.0.0	clock common lpuart ltc debug_console Include_common Include_core_cm0 Include_core_cm0plus MKW41Z4_CMSIS	MKW41Z512xxx4
<i>mbedtfs_include</i>		<i>middleware</i>		1.0.0	clock common lpuart ltc	MKW41Z512xxx4

<i>mbedtls_port</i>		<i>middleware</i>		1.0.0	<ul style="list-style-type: none"> <li>debug_console</li> <li>Include_common</li> <li>Include_core_cm0</li> <li>Include_core_cm0plus</li> <li>MKW41Z4_CMSIS</li> <li>clock common</li> <li>lpuart ltc</li> </ul>	<i>MKW41Z512xxx4</i>
<i>mbedtls_source</i>		<i>middleware</i>		1.0.0	<ul style="list-style-type: none"> <li>debug_console</li> <li>Include_common</li> <li>Include_core_cm0</li> <li>Include_core_cm0plus</li> <li>MKW41Z4_CMSIS</li> <li>clock common</li> <li>lpuart ltc</li> </ul>	<i>MKW41Z512xxx4</i>
<i>common</i>	<i>SDMMC common stack</i>	<i>middleware</i>		2.1.2	<ul style="list-style-type: none"> <li>debug_console</li> <li>Include_common</li> <li>Include_core_cm0</li> <li>Include_core_cm0plus</li> <li>MKW41Z4_CMSIS</li> <li>clock common</li> <li>dspi lpuart</li> </ul>	<i>MKW41Z512xxx4</i>
<i>mmc</i>	<i>SDMMC mmc stack</i>	<i>middleware</i>		2.1.2	<ul style="list-style-type: none"> <li>debug_console</li> <li>common</li> <li>Include_common</li> <li>Include_core_cm0</li> <li>Include_core_cm0plus</li> <li>MKW41Z4_CMSIS</li> </ul>	<i>MKW41Z512xxx4</i>
<i>sd</i>	<i>SDMMC sd stack</i>	<i>middleware</i>		2.1.2	<ul style="list-style-type: none"> <li>clock common</li> <li>dspi lpuart</li> </ul>	<i>MKW41Z512xxx4</i>



					debug_console	
					common	
					Include_common	
					Include_core_cm0	
					Include_core_cm0plus	
					MKW41Z4_CMSIS	
					clock common	
					dspi lpuart	
					debug_console	
sdio	SDMMC sdio stack	middleware		2.1.2	common	MKW41Z512xxx4
					Include_common	
					Include_core_cm0	
					Include_core_cm0plus	
					MKW41Z4_CMSIS	
					clock common	
					dspi lpuart	
					debug_console	
sdspi	SDMMC sdspi stack	middleware		2.1.2	common	MKW41Z512xxx4
					Include_common	
					Include_core_cm0	
					Include_core_cm0plus	
					MKW41Z4_CMSIS	
ble_appl_main		middleware	BLE Application Main Source	1.0.0	NO DEPENDENCIES	MKW41Z512xxx4
ble_controller		middleware	BLE Controller Interace	1.0.0	NO DEPENDENCIES	MKW41Z512xxx4
libraries		middleware	BLE Controller Libraries	1.0.0	NO DEPENDENCIES	MKW41Z512xxx4
ble_fsci		middleware	BLE FSCI	1.0.0	NO DEPENDENCIES	MKW41Z512xxx4
ble_fsci_host_appl_main		middleware	BLE FSCI Host Application Main Source	1.0.0	NO DEPENDENCIES	MKW41Z512xxx4
ble_fsci_host_interface_host		middleware	BLE FSCI Host Interace	1.0.0	NO DEPENDENCIES	MKW41Z512xxx4
ble_fsci_host_source_host		middleware	BLE FSCI Host Source	1.0.0	NO DEPENDENCIES	MKW41Z512xxx4
ble_gatt_db		middleware	BLE GATT DB	1.0.0	NO DEPENDENCIES	MKW41Z512xxx4

<i>ble_gatt_db_dynamic</i>	<i>middleware</i>	<i>BLE GATT DB Dynamic</i>	<i>1.0.0</i>	<i>NO DEPENDENCIES</i>	<i>MKW41Z512xxx4</i>
<i>ble_gatt_service_discovery</i>	<i>middleware</i>	<i>BLE GATT Service Discovery</i>	<i>1.0.0</i>	<i>NO DEPENDENCIES</i>	<i>MKW41Z512xxx4</i>
<i>ble_hci_transport</i>	<i>middleware</i>	<i>BLE HCI Transport</i>	<i>1.0.0</i>	<i>NO DEPENDENCIES</i>	<i>MKW41Z512xxx4</i>
<i>ble_host</i>	<i>middleware</i>	<i>BLE Host Interace</i>	<i>1.0.0</i>	<i>NO DEPENDENCIES</i>	<i>MKW41Z512xxx4</i>
<i>libraries_cm0plus</i>	<i>middleware</i>	<i>BLE Host Libraries</i>	<i>1.0.0</i>	<i>NO DEPENDENCIES</i>	<i>MKW41Z512xxx4</i>
<i>ble_nwk_ip</i>	<i>middleware</i>	<i>BLE Nwk IP Interace</i>	<i>1.0.0</i>	<i>NO DEPENDENCIES</i>	<i>MKW41Z512xxx4</i>
<i>libraries</i>	<i>middleware</i>	<i>BLE Nwk IP Libraries</i>	<i>1.0.0</i>	<i>NO DEPENDENCIES</i>	<i>MKW41Z512xxx4</i>
<i>ble_nwk_ip_common</i>	<i>middleware</i>	<i>BLE Nwklp Common</i>	<i>1.0.0</i>	<i>NO DEPENDENCIES</i>	<i>MKW41Z512xxx4</i>
<i>alert_notification</i>	<i>middleware</i>	<i>BLE Profiles: Alert Notification</i>	<i>1.0.0</i>	<i>NO DEPENDENCIES</i>	<i>MKW41Z512xxx4</i>
<i>battery_service</i>	<i>middleware</i>	<i>BLE Profiles: Battery Service</i>	<i>1.0.0</i>	<i>NO DEPENDENCIES</i>	<i>MKW41Z512xxx4</i>
<i>blood_pressure</i>	<i>middleware</i>	<i>BLE Profiles: Blood Pressure</i>	<i>1.0.0</i>	<i>NO DEPENDENCIES</i>	<i>MKW41Z512xxx4</i>
<i>cycling_power</i>	<i>middleware</i>	<i>BLE Profiles: Cycling Power</i>	<i>1.0.0</i>	<i>NO DEPENDENCIES</i>	<i>MKW41Z512xxx4</i>
<i>cycling_speed_cadence</i>	<i>middleware</i>	<i>BLE Profiles: Cycling Speed Cadence</i>	<i>1.0.0</i>	<i>NO DEPENDENCIES</i>	<i>MKW41Z512xxx4</i>
<i>device_info_service</i>	<i>middleware</i>	<i>BLE Profiles: Device Info Service</i>	<i>1.0.0</i>	<i>NO DEPENDENCIES</i>	<i>MKW41Z512xxx4</i>
<i>glucose</i>	<i>middleware</i>	<i>BLE Profiles: Glucose</i>	<i>1.0.0</i>	<i>NO DEPENDENCIES</i>	<i>MKW41Z512xxx4</i>
<i>health_thermometer</i>	<i>middleware</i>	<i>BLE Profiles: Health Thermometer</i>	<i>1.0.0</i>	<i>NO DEPENDENCIES</i>	<i>MKW41Z512xxx4</i>
<i>heart_rate</i>	<i>middleware</i>	<i>BLE Profiles: Heart Rate</i>	<i>1.0.0</i>	<i>NO DEPENDENCIES</i>	<i>MKW41Z512xxx4</i>
<i>hid</i>	<i>middleware</i>	<i>BLE Profiles: HID</i>	<i>1.0.0</i>	<i>NO DEPENDENCIES</i>	<i>MKW41Z512xxx4</i>
<i>ipsp</i>	<i>middleware</i>	<i>BLE Profiles: IPSP</i>	<i>1.0.0</i>	<i>NO DEPENDENCIES</i>	<i>MKW41Z512xxx4</i>
<i>otap</i>	<i>middleware</i>	<i>BLE Profiles: OTAP</i>	<i>1.0.0</i>	<i>NO DEPENDENCIES</i>	<i>MKW41Z512xxx4</i>
<i>proximity</i>	<i>middleware</i>	<i>BLE Profiles: Proximity</i>	<i>1.0.0</i>	<i>NO DEPENDENCIES</i>	<i>MKW41Z512xxx4</i>
<i>pulse_oximeter</i>	<i>middleware</i>	<i>BLE Profiles: Pulse Oximeter</i>	<i>1.0.0</i>	<i>NO DEPENDENCIES</i>	<i>MKW41Z512xxx4</i>
<i>running_speed_cadence</i>	<i>middleware</i>	<i>BLE Profiles: Running</i>	<i>1.0.0</i>	<i>NO DEPENDENCIES</i>	<i>MKW41Z512xxx4</i>

<i>temperature</i>	<i>middleware</i>	<i>Speed Cadence</i> <i>BLE Profiles: Temperature</i>	1.0.0	NO DEPENDENCIES	<i>MKW41Z512xxx4</i>
<i>time</i>	<i>middleware</i>	<i>BLE Profiles: Time</i>	1.0.0	NO DEPENDENCIES	<i>MKW41Z512xxx4</i>
<i>wireless_power_transfer</i>	<i>middleware</i>	<i>BLE Profiles: Wireless Power Transfer</i>	1.0.0	NO DEPENDENCIES	<i>MKW41Z512xxx4</i>
<i>wireless_uart</i>	<i>middleware</i>	<i>BLE Profiles: Wireless UART</i>	1.0.0	NO DEPENDENCIES	<i>MKW41Z512xxx4</i>
<i>coexistence</i>	<i>middleware</i>	<i>Coexistence module</i>	1.0.0	common gpio_adapter tmr	<i>MKW41Z512xxx4</i>
<i>common</i>	<i>middleware</i>	<i>Common framework sources</i>	1.0.0	NO DEPENDENCIES	<i>MKW41Z512xxx4</i>
<i>dcdc</i>	<i>middleware</i>	<i>DCDC module</i>	1.0.0	common	<i>MKW41Z512xxx4</i>
<i>dsp_common</i>	<i>middleware</i>	<i>Common framework sources</i>	1.0.0	common	<i>MKW41Z512xxx4</i>
<i>external</i>	<i>middleware</i>	<i>External Flash driver</i>	1.0.0	common spi_adapter	<i>MKW41Z512xxx4</i>
<i>internal</i>	<i>middleware</i>	<i>Internal Flash driver</i>	1.0.0	common	<i>MKW41Z512xxx4</i>
<i>fsci</i>	<i>middleware</i>	<i>Framework Serial Communication Interface (FSCI)</i>	1.0.0	common smgr i2c_adapter spi_adapter uart_adapter tmr	<i>MKW41Z512xxx4</i>
<i>function_lib</i>	<i>middleware</i>	<i>Common framework sources</i>	1.0.0	common	<i>MKW41Z512xxx4</i>
<i>gpio_adapter</i>	<i>middleware</i>	<i>GPIO adapter</i>	1.0.0	common	<i>MKW41Z512xxx4</i>
<i>keyboard</i>	<i>middleware</i>	<i>Keyboard module</i>	1.0.0	common gpio_adapter tmr	<i>MKW41Z512xxx4</i>
<i>led</i>	<i>middleware</i>	<i>LED module</i>	1.0.0	common gpio_adapter tmr	<i>MKW41Z512xxx4</i>
<i>lpm_MKW41Z</i>	<i>middleware</i>	<i>KW41Z/KW31Z/KW21Z Low Power module</i>	1.0.0	common	<i>MKW41Z512xxx4</i>
<i>lpm_ble_MKW41Z</i>	<i>middleware</i>	<i>BLE Low Power module</i>	1.0.0	common	<i>MKW41Z512xxx4</i>
<i>lpm_smac_MKW41Z</i>	<i>middleware</i>	<i>SMAC Low Power</i>	1.0.0	common	<i>MKW41Z512xxx4</i>

		module			
<i>mem_manager</i>	<i>middleware</i>	<i>Common framework sources</i>	<i>1.0.0</i>	generic_lists common	<i>MKW41Z512xxx4</i>
<i>messaging</i>	<i>middleware</i>	<i>Messaging module</i>	<i>1.0.0</i>	generic_lists common mem_manager	<i>MKW41Z512xxx4</i>
<i>module_info</i>	<i>middleware</i>	<i>Module Info</i>	<i>1.0.0</i>	common	<i>MKW41Z512xxx4</i>
<i>nvm</i>	<i>middleware</i>	<i>Non Volatile Memory module</i>	<i>1.0.0</i>	common internal	<i>MKW41Z512xxx4</i>
<i>osa</i>	<i>middleware</i>	<i>OS Abstraction module</i>	<i>1.0.0</i>	common	<i>MKW41Z512xxx4</i>
<i>osa_bm</i>	<i>middleware</i>	<i>OS Abstraction module</i>	<i>1.0.0</i>	common osa	<i>MKW41Z512xxx4</i>
<i>osa_freertos</i>	<i>middleware</i>	<i>OS Abstraction module</i>	<i>1.0.0</i>	common osa	<i>MKW41Z512xxx4</i>
<i>ota</i>	<i>middleware</i>	<i>Over-the-air upgrade support module</i>	<i>1.0.0</i>	common external spi_adapter	<i>MKW41Z512xxx4</i>
<i>panic</i>	<i>middleware</i>	<i>Panic module</i>	<i>1.0.0</i>	common	<i>MKW41Z512xxx4</i>
<i>reset</i>	<i>middleware</i>	<i>Reset module</i>	<i>1.0.0</i>	common	<i>MKW41Z512xxx4</i>
<i>rng</i>	<i>middleware</i>	<i>Random number generator module</i>	<i>1.0.0</i>	common	<i>MKW41Z512xxx4</i>
<i>sec_lib</i>	<i>middleware</i>	<i>SecLib sources</i>	<i>1.0.0</i>	common	<i>MKW41Z512xxx4</i>
<i>libs</i>	<i>middleware</i>	<i>Security libraries</i>	<i>1.0.0</i>	common	<i>MKW41Z512xxx4</i>
<i>shell</i>	<i>middleware</i>	<i>Shell</i>	<i>1.0.0</i>	common smgr i2c_adapter spi_adapter uart_adapter	<i>MKW41Z512xxx4</i>
<i>smgr</i>	<i>middleware</i>	<i>Serial Manager</i>	<i>1.0.0</i>	common i2c_adapter spi_adapter uart_adapter	<i>MKW41Z512xxx4</i>
<i>i2c_adapter</i>	<i>middleware</i>	<i>Serial Manager I2C Adapter</i>	<i>1.0.0</i>	common	<i>MKW41Z512xxx4</i>
<i>rndis_fsci</i>	<i>middleware</i>	<i>Serial Manager rndis fsci</i>	<i>1.0.0</i>	common	<i>MKW41Z512xxx4</i>
<i>spi_adapter</i>	<i>middleware</i>	<i>Serial Manager SPI Adapter</i>	<i>1.0.0</i>	common	<i>MKW41Z512xxx4</i>

<i>uart_adapter</i>	<i>middleware</i>	<i>Serial Manager UART Adapter</i>	<i>1.0.0</i>	common	<i>MKW41Z512xxx4</i>
<i>vcom</i>	<i>middleware</i>	<i>Serial Manager Virtual Comm</i>	<i>1.0.0</i>	common	<i>MKW41Z512xxx4</i>
<i>vnic</i>	<i>middleware</i>	<i>Serial Manager Virtual NIC</i>	<i>1.0.0</i>	common	<i>MKW41Z512xxx4</i>
<i>tmr</i>	<i>middleware</i>	<i>Timers Manager</i>	<i>1.0.0</i>	common	<i>MKW41Z512xxx4</i>
<i>framework_init</i>	<i>middleware</i>	<i>Common framework sources</i>	<i>1.0.0</i>	common smgr i2c_adapter spi_adapter uart_adapter tmr	<i>MKW41Z512xxx4</i>
<i>genfsk</i>	<i>middleware</i>	<i>Genfsk</i>	<i>1.0.0</i>	NO DEPENDENCIES	<i>MKW41Z512xxx4</i>
<i>host_sdk</i>	<i>middleware</i>	<i>Host SDK</i>	<i>1.0.0</i>	docs	<i>MKW41Z512xxx4</i>
<i>hybrid_appl_main</i>	<i>middleware</i>	<i>Hybrid BLE 802.15.4 Application Main Source</i>	<i>1.0.0</i>	NO DEPENDENCIES	<i>MKW41Z512xxx4</i>
<i>interface</i>	<i>middleware</i>	<i>802.15.4 PHY ASP interface</i>	<i>1.0.0</i>	interface	<i>MKW41Z512xxx4</i>
<i>interface</i>	<i>middleware</i>	<i>802.15.4 MAC interface</i>	<i>1.0.0</i>	interface	<i>MKW41Z512xxx4</i>
<i>libraries</i>	<i>middleware</i>	<i>802.15.4 MAC Libraries</i>	<i>1.0.0</i>	NO DEPENDENCIES	<i>MKW41Z512xxx4</i>
<i>source</i>	<i>middleware</i>	<i>802.15.4 MAC public source files</i>	<i>1.0.0</i>	interface interface	<i>MKW41Z512xxx4</i>
<i>interface</i>	<i>middleware</i>	<i>802.15.4 PHY interface</i>	<i>1.0.0</i>	NO DEPENDENCIES	<i>MKW41Z512xxx4</i>
<i>source_kw41z</i>	<i>middleware</i>	<i>KW41Z PHY sources</i>	<i>1.0.0</i>	common interface xcvr_kw41z	<i>MKW41Z512xxx4</i>
<i>app_br_common</i>	<i>middleware</i>	<i>Nwk IP app br common</i>	<i>1.0.0</i>	interface interface interface	<i>MKW41Z512xxx4</i>
<i>app_common</i>	<i>middleware</i>	<i>Nwk IP app common</i>	<i>1.0.0</i>	interface interface interface	<i>MKW41Z512xxx4</i>
<i>app_config</i>	<i>middleware</i>	<i>Nwk IP app config</i>	<i>1.0.0</i>	interface interface interface	<i>MKW41Z512xxx4</i>
<i>app_ota_common</i>	<i>middleware</i>	<i>Nwk IP app ota common</i>	<i>1.0.0</i>	interface interface interface	<i>MKW41Z512xxx4</i>
<i>app_serial_tun</i>	<i>middleware</i>	<i>Nwk IP app serial tun</i>	<i>1.0.0</i>	interface interface	<i>MKW41Z512xxx4</i>

<b>base</b>	<b>middleware</b>	<b>Nwk IP base</b>	<b>1.0.0</b>	interface		
				interface	interface	<b>MKW41Z512xxx4</b>
				interface		
<b>base_enet_driver</b>	<b>middleware</b>	<b>Nwk IP base enet driver</b>	<b>1.0.0</b>	interface	interface	<b>MKW41Z512xxx4</b>
				base	interface	
<b>base_serial_tun</b>	<b>middleware</b>	<b>Nwk IP base serial tun</b>	<b>1.0.0</b>	interface	interface	<b>MKW41Z512xxx4</b>
				interface		
<b>ble_thread_host_controlled_device</b>	<b>middleware</b>	<b>Nwk IP ble thread host controlled device</b>	<b>1.0.0</b>	interface	interface	<b>MKW41Z512xxx4</b>
				interface		
<b>ble_thread_router_wireless_uart</b>	<b>middleware</b>	<b>Nwk IP ble thread router wireless uart</b>	<b>1.0.0</b>	interface	interface	<b>MKW41Z512xxx4</b>
				interface		
<b>border_router</b>	<b>middleware</b>	<b>Nwk IP border router</b>	<b>1.0.0</b>	interface	interface	<b>MKW41Z512xxx4</b>
				interface		
<b>lib</b>	<b>middleware</b>	<b>Nwk IP Libraries</b>	<b>1.0.0</b>	interface	interface	<b>MKW41Z512xxx4</b>
				interface		
<b>source</b>	<b>middleware</b>	<b>Nwk IP core</b>	<b>1.0.0</b>	interface	interface	<b>MKW41Z512xxx4</b>
				interface		
<b>end_device</b>	<b>middleware</b>	<b>Nwk IP end device</b>	<b>1.0.0</b>	interface	interface	<b>MKW41Z512xxx4</b>
				interface		
<b>end_device_ota_client</b>	<b>middleware</b>	<b>Nwk IP end device ota client</b>	<b>1.0.0</b>	interface	interface	<b>MKW41Z512xxx4</b>
				interface		
<b>hcd_ota_server</b>	<b>middleware</b>	<b>Nwk IP hcd ota server</b>	<b>1.0.0</b>	interface	interface	<b>MKW41Z512xxx4</b>
				interface		
<b>host_controlled_device</b>	<b>middleware</b>	<b>Nwk IP hcd ota server</b>	<b>1.0.0</b>	interface	interface	<b>MKW41Z512xxx4</b>
				interface		
<b>interface</b>	<b>middleware</b>	<b>Nwk IP Interface</b>	<b>1.0.0</b>	interface	interface	<b>MKW41Z512xxx4</b>
				interface	interface	<b>MKW41Z512xxx4</b>
<b>low_power_end_device</b>	<b>middleware</b>	<b>Nwk IP low power end device</b>	<b>1.0.0</b>	interface		<b>MKW41Z512xxx4</b>
				interface		
<b>lped_ota_client</b>	<b>middleware</b>	<b>Nwk IP lped ota client</b>	<b>1.0.0</b>	interface	interface	<b>MKW41Z512xxx4</b>
				interface		
<b>reed_ota_client</b>	<b>middleware</b>	<b>Nwk IP reed ota client</b>	<b>1.0.0</b>	interface	interface	<b>MKW41Z512xxx4</b>
				interface		
<b>router_eligible_device</b>	<b>middleware</b>	<b>Nwk IP router eligible device</b>	<b>1.0.0</b>	interface	interface	<b>MKW41Z512xxx4</b>
				interface		

<i>smac</i>	<i>middleware</i>	<i>802.15.4 SMAC</i>	<i>1.0.0</i>	common interface source_kw41z xcvr_kw41z	<i>MKW41Z512xxx4</i>
<i>ble</i>	<i>middleware</i>	<i>Binaries and other tools for BLE</i>	<i>1.0.0</i>	NO DEPENDENCIES	<i>MKW41Z512xxx4</i>
<i>framework</i>	<i>middleware</i>	<i>Binaries and other tools for Framework</i>	<i>1.0.0</i>	NO DEPENDENCIES	<i>MKW41Z512xxx4</i>
<i>mac</i>	<i>middleware</i>	<i>Binaries and other tools for 802.15.4 MAC</i>	<i>1.0.0</i>	NO DEPENDENCIES	<i>MKW41Z512xxx4</i>
<i>thread</i>	<i>middleware</i>	<i>Binaries and other tools for Thread</i>	<i>1.0.0</i>	NO DEPENDENCIES	<i>MKW41Z512xxx4</i>
<i>zigbee</i>	<i>middleware</i>	<i>Binaries and other tools for Zigbee</i>	<i>1.0.0</i>	NO DEPENDENCIES	<i>MKW41Z512xxx4</i>
<i>xcvr_kw41z</i>	<i>middleware</i>	<i>KW41Z/KW31Z/KW21Z XCVR files</i>	<i>1.0.0</i>	common	<i>MKW41Z512xxx4</i>
<i>dma_capture</i>	<i>middleware</i>	<i>KW41Z/KW31Z/KW21Z DMA Capture XCVR Files</i>	<i>1.0.0</i>	common	<i>MKW41Z512xxx4</i>
<i>xcvr_test_kw41z</i>	<i>middleware</i>	<i>KW41Z/KW31Z/KW21Z XCVR test files</i>	<i>1.0.0</i>	common	<i>MKW41Z512xxx4</i>
<i>base</i>	<i>middleware</i>	<i>ZigBee base source files</i>	<i>1.0.0</i>	interface interface common	<i>MKW41Z512xxx4</i>
<i>interface</i>	<i>middleware</i>	<i>ZigBee base interface</i>	<i>1.0.0</i>	interface interface common	<i>MKW41Z512xxx4</i>
<i>bdb</i>	<i>middleware</i>	<i>ZigBee BDB source files</i>	<i>1.0.0</i>	interface interface common	<i>MKW41Z512xxx4</i>
<i>router_initiator_target</i>	<i>middleware</i>	<i>ZigBee BDB Touchlink router initiator target source files</i>	<i>1.0.0</i>	interface interface common	<i>MKW41Z512xxx4</i>
<i>router_target</i>	<i>middleware</i>	<i>ZigBee BDB Touchlink router target source files</i>	<i>1.0.0</i>	interface interface common	<i>MKW41Z512xxx4</i>
<i>common</i>	<i>middleware</i>	<i>ZigBee common source files</i>	<i>1.0.0</i>	interface interface	<i>MKW41Z512xxx4</i>
<i>globals</i>	<i>middleware</i>	<i>ZigBee common</i>	<i>1.0.0</i>	interface interface	<i>MKW41Z512xxx4</i>

<i>common</i>		<i>middleware</i>	<i>globals source files</i> <i>ZigBee common source files for eh_switch</i>	<i>1.0.0</i>	<i>common</i>	
<i>libraries</i>		<i>middleware</i>	<i>zigbee core Libraries</i>	<i>1.0.0</i>	<i>interface</i>	<i>interface</i> <i>MKW41Z512xxx4</i>
<i>zcf</i>		<i>middleware</i>	<i>ZigBee ZCIF source files</i>	<i>1.0.0</i>	<i>common</i>	
<i>zcl_clusters</i>		<i>middleware</i>	<i>ZigBee ZCL source files</i>	<i>1.0.0</i>	<i>interface</i>	<i>interface</i> <i>MKW41Z512xxx4</i>
<i>zcl_devices</i>		<i>middleware</i>	<i>ZigBee ZCL source files</i>	<i>1.0.0</i>	<i>common</i>	
<i>MKW41Z4_connectivity_startup</i>		<i>middleware</i>		<i>1.0.0</i>	<i>interface</i>	<i>interface</i> <i>MKW41Z512xxx4</i>
<i>baremetal</i>	<i>Baremetal</i>	<i>OS</i>		<i>1.0.0</i>	<i>common</i>	
<i>freertos</i>	<i>FreeRTOS</i>	<i>OS</i>	<i>FreeRTOS, Real Time Operating System</i>	<i>9.0.0</i>	<i>NO DEPENDENCIES</i>	<i>MKW41Z512xxx4</i>
					<i>freertos</i>	<i>MKW41Z512xxx4</i>
<i>CMSIS</i>		<i>CMSIS</i>		<i>4.5.0</i>	<i>CMSIS</i>	
					<i>CMSIS_Driver</i>	
					<i>CMSIS_Driver_Include</i>	
					<i>Include_common</i>	
					<i>Include_core_cm0</i>	
					<i>Include_core_cm0plus</i>	
					<i>Include_core_cm3</i>	
					<i>Include_core_cm4</i>	
					<i>Include_core_cm7</i>	
					<i>Include_core_sc000</i>	
					<i>Include_core_sc300</i>	
<i>CMSIS_Driver</i>		<i>CMSIS</i>		<i>4.5.0</i>	<i>NO DEPENDENCIES</i>	
<i>CMSIS_Driver_Include</i>		<i>CMSIS_driver</i>		<i>4.5.0</i>	<i>NO DEPENDENCIES</i>	<i>MKW41Z512xxx4</i>
<i>Include_common</i>		<i>CMSIS</i>		<i>4.5.0</i>	<i>NO DEPENDENCIES</i>	
<i>Include_core_cm0</i>		<i>CMSIS</i>		<i>4.5.0</i>	<i>Include_common</i>	
<i>Include_core_cm0plus</i>		<i>CMSIS</i>		<i>4.5.0</i>	<i>Include_common</i>	
<i>Include_core_cm3</i>		<i>CMSIS</i>		<i>4.5.0</i>	<i>Include_common</i>	
<i>Include_core_cm4</i>		<i>CMSIS</i>		<i>4.5.0</i>	<i>Include_common</i>	
<i>Include_core_cm7</i>		<i>CMSIS</i>		<i>4.5.0</i>	<i>Include_common</i>	



Include_core_sc000		CMSIS		4.5.0	Include_common	
Include_core_sc300		CMSIS		4.5.0	Include_common	
MKW41Z4_CMSIS		CMSIS		1.0.0	Include_common Include_core_cm0 Include_core_cm0plus	MKW41Z512xxx4
MKW41Z4_startup		startup		1.0.0	NO DEPENDENCIES	MKW41Z512xxx4
fatfs	Fatfs RAM disk template application	project_template FatFs_ram_template		1.0.0	ram fatfs	MKW41Z512xxx4
freertos	FreeRTOS_template	project_template FreeRTOS, template		1.0.2	freertos	MKW41Z512xxx4
MKW41Z4_debugger		debugger		1.0.0	NO DEPENDENCIES	MKW41Z512xxx4
MKW41Z4_flash		debugger		1.0.0	NO DEPENDENCIES	MKW41Z512xxx4
					clock common flash gpio lptmr lpuart port smc debug_console	
usbkw41z_kw41z		project_template		1.0.0	Include_common Include_core_cm0 Include_core_cm0plus MKW41Z4_CMSIS MKW41Z4_startup startup	MKW41Z512xxx4
FreeRTOS		documentation		1.0.0	freertos freertos	
MKW41Z4		documentation		1.0.0	NO DEPENDENCIES	MKW41Z512xxx4
docs		documentation	Wireless 802.15.4 Documents	1.0.0	docs	
docs		documentation	Wireless Bluetooth Documents	1.0.0	docs	
docs		documentation	Wireless Common Documents	1.0.0	NO DEPENDENCIES	
docs		documentation	Wireless Generic FSK Documents	1.0.0	docs	
docs		documentation	Wireless SMAC Documents	1.0.0	docs	
docs		documentation	Wireless Thread Documents	1.0.0	docs	

<a href="#">docs</a>	<a href="#">documentation</a>	<a href="#">Wireless Zigbee Documents</a>	1.0.0	<a href="#">docs</a>
<a href="#">Include</a>	<a href="#">CMSIS</a>			NO DEPENDENCIES
<a href="#">startup</a>	<a href="#">startup</a>			NO DEPENDENCIES
<a href="#">linker</a>	<a href="#">linker</a>			NO DEPENDENCIES

## Available Toolchains

Name	Full Name	ID	Version	URL
MCUXpresso_IDE	MCUXpresso IDE	mcuxpresso	10.2.1	

## Available Compilers

Name	Full Name	ID	Version	URL
gcc		compiler_gcc		

## MCUXpresso IDE toolchain settings

Name	Type	Value
gnu.cpp.compiler.option.optimization.flags	string	-fno-common
gnu.cpp.compiler.option.misc.other	string	-c -fmessage-length=0 -fno-builtin -ffunction-sections -fdata-sections
com.crt.advproject.gpp.hdrlib	enum	Newlib
gnu.c.compiler.option.optimization.flags	string	-fno-common
gnu.c.compiler.option.misc.other	string	-c -fmessage-length=0 -fno-builtin -ffunction-sections -fdata-sections
com.crt.advproject.gcc.hdrlib	enum	Redlib
com.crt.advproject.gas.hdrlib	enum	Redlib
gnu.cpp.link.option.nostdlibs	boolean	true
gnu.cpp.link.option.other	stringList	-Map="\${BuildArtifactFileName}.map" --gc-sections

		-print-memory-usage
com.crt.advproject.link.cpp.manage	boolean	true
com.crt.advproject.link.cpp.flashconfigenable	boolean	true
com.crt.advproject.link.flashconfigenable	boolean	true
com.crt.advproject.link.cpp.hdrlib	enum	com.crt.advproject.cpp.link.hdrlib.newlib.semihost
gnu.c.link.option.nostdlibs	boolean	true
		-Map="\${BuildArtifactFileName}.map"
gnu.c.link.option.other	stringList	--gc-sections -print-memory-usage
com.crt.advproject.link.manage	boolean	true
com.crt.advproject.link.gcc.hdrlib	enum	com.crt.advproject.gcc.link.hdrlib.codered.semihost