

# Supported Compilers

C/C++test supports the following compiler families:

<b>Altium TASKING</b>	<p>The following Altium TASKING compilers are supported:</p> <ul style="list-style-type: none"><li>• <a href="#">C compiler for 80C196 v. 6.0 r1</a></li><li>• <a href="#">Classic compiler for C166/ST10 v. 6.0</a></li><li>• <a href="#">Vx-toolset for TriCore C/C++ Compiler 6.0</a></li><li>• <a href="#">Vx-toolset for TriCore C/C++ Compiler 6.2</a></li><li>• <a href="#">Deprecated Compilers</a><ul style="list-style-type: none"><li>• <a href="#">Vx-toolset for TriCore C/C++ Compiler 4.0</a></li></ul></li></ul>
<b>ARM</b>	<p>The following ARM compilers are supported:</p> <ul style="list-style-type: none"><li>• <a href="#">ARM Compiler 5.0</a></li><li>• <a href="#">ARM Compiler 5.0 for uVision</a></li><li>• <a href="#">ARM Compiler 6.6</a></li><li>• <a href="#">ARM Compiler 6.9</a></li><li>• <a href="#">ARM GNU GCC 4.5</a></li><li>• <a href="#">Deprecated Compilers</a><ul style="list-style-type: none"><li>• <a href="#">ARM RealView 4.1</a></li><li>• <a href="#">ARM RealView 4.1 for uVision</a></li></ul></li></ul>
<b>Embarcadero</b>	<p>The following Embarcadero compilers are supported:</p> <ul style="list-style-type: none"><li>• <a href="#">Embarcadero C++ Compiler 6.2x for Win32</a></li><li>• <a href="#">Embarcadero C++ Compiler 6.9x for Win32</a></li></ul>
<b>Clang</b>	<p>The following Clang compilers are supported:</p> <ul style="list-style-type: none"><li>• <a href="#">Clang C/C++ Compiler v 3.9</a></li><li>• <a href="#">Clang C/C++ Compiler v 4.0</a></li><li>• <a href="#">Clang C/C++ Compiler v 5.0</a></li><li>• <a href="#">Clang C/C++ Compiler v 6.0</a></li><li>• <a href="#">Clang C/C++ Compiler v 8.0 (x86_64)</a></li></ul>
<b>CodeSourcery</b>	<p>The following CodeSourcery compilers are supported:</p> <ul style="list-style-type: none"><li>• <a href="#">Deprecated Compilers</a><ul style="list-style-type: none"><li>• <a href="#">CodeSourcery Sourcery G++ Lite 2009q1-203</a></li></ul></li></ul>
<b>Cosmic Software</b>	<p>The following Cosmic Software compilers are supported:</p> <ul style="list-style-type: none"><li>• <a href="#">68HC08 C Cross Compiler V4.6.x</a></li></ul>
<b>Freescale</b>	<p>The following Freescale compilers are supported:</p> <ul style="list-style-type: none"><li>• <a href="#">Freescale C/C++ Compiler v. 5.1 for Embedded ARM</a></li><li>• <a href="#">Freescale CodeWarrior ANSI-C/cC++ Compiler 5.0.x for HC12</a></li><li>• <a href="#">FreeScale CodeWarrior ColdFire v 6.0</a></li><li>• <a href="#">Additional Support Information</a></li></ul>
<b>GCC for Tricore</b>	<p>The following GCC compilers for Tricore are supported:</p> <ul style="list-style-type: none"><li>• <a href="#">GCC for Tricore 4.9.x</a></li></ul>

<b>GNU GCC</b>	<p>The following GNU GCC compilers are supported:</p> <ul style="list-style-type: none"><li>• GNU GCC 4.5.x</li><li>• GNU GCC 4.5.x (x86_64)</li><li>• GNU GCC 4.6.x</li><li>• GNU GCC 4.6.x (x86_64)</li><li>• GNU GCC 4.7.x</li><li>• GNU GCC 4.7.x (x86_64)</li><li>• GNU GCC 4.8.x</li><li>• GNU GCC 4.8.x (x86_64)</li><li>• GNU GCC 4.9.x</li><li>• GNU GCC 4.9.x (x86_64)</li><li>• GNU GCC 4.9.x (mips64el)</li><li>• GNU GCC 5.x</li><li>• GNU GCC 5.x (x86_64)</li><li>• GNU GCC 6.x</li><li>• GNU GCC 6.x (x86_64)</li><li>• GNU GCC 7.x</li><li>• GNU GCC 7.x (x86_64)</li><li>• GNU GCC 7.x (mips64el)</li><li>• GNU GCC 8.x</li><li>• GNU GCC 8.x (x86_64)</li><li>• GNU GCC 9.x</li><li>• GNU GCC 9.x (x86_64)</li><li>• Deprecated Compilers<ul style="list-style-type: none"><li>• GNU GCC 4.0.x</li><li>• GNU GCC 4.0.x (x86_64)</li><li>• GNU GCC 4.1.x</li><li>• GNU GCC 4.1.x (x86_64)</li><li>• GNU GCC 4.2.x</li><li>• GNU GCC 4.2.x (x86_64)</li><li>• GNU GCC 4.3.x</li><li>• GNU GCC 4.3.x (x86_64)</li><li>• GNU GCC 4.4.x</li><li>• GNU GCC 4.4.x (x86_64)</li></ul></li></ul>
<b>Green Hills Software</b>	<p>The following Green Hills Software compilers are supported:</p> <ul style="list-style-type: none"><li>• Green Hills Software Compiler Native v. 4.2.x</li><li>• Green Hills Software Compiler for PPC v. 5.0.x</li><li>• Green Hills Software Compiler for V850 v. 5.1.x</li><li>• Green Hills Software Compiler for ARM v. 2014.1.x</li><li>• Green Hills Software Compiler for ARM64 v. 2014.1.x</li><li>• Green Hills Software Compiler for ARM v. 2017.5.x</li><li>• Green Hills Software Compiler for ARM64 v. 2017.5.x</li><li>• Green Hills Software Compiler for PPC v. 2013.1.x</li><li>• Green Hills Software Compiler for PPC v. 2017.1.x</li><li>• Green Hills Software Compiler for PPC v. 3.5</li><li>• Green Hills Software Compiler for PPC v. 4.0.x</li><li>• Green Hills Software Compiler for PPC v. 4.2.x</li><li>• Green Hills Software Compiler for V850 v. 2013.5.x</li><li>• Green Hills Software Compiler for V850 v. 2014.1.x</li><li>• Green Hills Software Compiler for V850 v. 2017.5.x</li></ul>

<b>IAR Compilers</b>	<p>The following IAR compilers are supported:</p> <ul style="list-style-type: none"> <li>• IAR Compiler for ARM v. 6.6x</li> <li>• IAR Compiler for ARM v. 6.7x</li> <li>• IAR Compiler for ARM v. 7.4x</li> <li>• IAR Compiler for ARM v. 7.8x</li> <li>• IAR Compiler for ARM v. 8.11.x</li> <li>• IAR Compiler for ARM v. 8.20x</li> <li>• IAR Compiler for ARM v. 8.22x</li> <li>• IAR Compiler for ARM v. 8.40x</li> <li>• IAR Compiler for M16C &amp; R8C v. 3.5x</li> <li>• IAR Compiler for MSP430 v. 6.1x</li> <li>• IAR Compiler for RX v. 2.5x</li> <li>• IAR Compiler for RX v. 2.6x</li> <li>• IAR Compiler for RX v. 3.10.x</li> <li>• IAR Compiler for STM8 v. 1.4x</li> <li>• IAR Compiler for RL78 v. 3.10.x</li> <li>• Deprecated Compilers <ul style="list-style-type: none"> <li>• IAR Compiler for ARM v. 6.1x</li> <li>• IAR Compiler for ARM v. 6.3x</li> <li>• IAR Compiler for MSP430 v. 5.4x</li> </ul> </li> </ul>
<b>Intel</b>	<p>The following Intel® C++ compilers are supported:</p> <ul style="list-style-type: none"> <li>• Intel C++ Compiler v 18.0</li> </ul>
<b>Keil</b>	<p>The following Keil compilers are supported:</p> <ul style="list-style-type: none"> <li>• Keil C166 7.0</li> <li>• Keil C51 8.x</li> </ul>
<b>Microchip</b>	<p>The following Microship MPLAB compilers are supported:</p> <ul style="list-style-type: none"> <li>• Microchip MPLAB C30 Compiler for dsPIC v3.2x</li> <li>• Microchip MPLAB C32 Compiler for PIC32 v2.0x</li> </ul>
<b>Microsoft</b>	<p>The following Microsoft compilers are supported:</p> <ul style="list-style-type: none"> <li>• Microsoft Visual C++ 11.0</li> <li>• Microsoft Visual C++ 11.0 (x64)</li> <li>• Microsoft Visual C++ 12.0</li> <li>• Microsoft Visual C++ 12.0 (x64)</li> <li>• Microsoft Visual C++ 14.0</li> <li>• Microsoft Visual C++ 14.0 (x64)</li> <li>• Microsoft Visual C++ 14.1</li> <li>• Microsoft Visual C++ 14.1 (x64)</li> <li>• Microsoft Visual C++ 14.2</li> <li>• Microsoft Visual C++ 14.2 (x64)</li> <li>• Deprecated Compilers <ul style="list-style-type: none"> <li>• Microsoft Visual C++ 9.0</li> <li>• Microsoft Visual C++ 9.0 (x64)</li> <li>• Microsoft Visual C++ 10.0</li> <li>• Microsoft Visual C++ 10.0 (x64)</li> </ul> </li> </ul>
<b>National Instruments</b>	<p>The following National Instruments compilers are supported:</p> <ul style="list-style-type: none"> <li>• LabWindows/CVI 2013 Clang C/C++ Compiler v2.9 for Win32</li> <li>• LabWindows/CVI 2015 Clang C/C++ Compiler v3.3 for Win32</li> <li>• LabWindows/CVI 9.0</li> </ul>

<b>QNX GCC</b>	<p>The following QNX GCC compilers are supported:</p> <ul style="list-style-type: none"> <li>• <a href="#">QNX GCC 4.2.x</a></li> <li>• <a href="#">QNX GCC 4.4.x</a></li> <li>• <a href="#">QNX GCC 5.x</a></li> <li>• <a href="#">QNX GCC 5.x (x86-64)</a></li> <li>• <a href="#">QNX GCC 5.x (ARM)</a></li> <li>• <a href="#">QNX GCC 5.x (ARM64)</a></li> </ul>
<b>Renesas</b>	<p>The following Renesas compilers are supported:</p> <ul style="list-style-type: none"> <li>• <a href="#">M16C/R8C C Compiler 5.4x</a></li> <li>• <a href="#">RX C/C++ Compiler 2.2x</a></li> <li>• <a href="#">RX C/C++ Compiler 2.5x</a></li> <li>• <a href="#">SH Series C/C++ Compiler V.5.1x.x</a></li> <li>• <a href="#">SH Series C/C++ Compiler V.9.03.xx</a></li> <li>• <a href="#">SH Series C/C++ Compiler V.9.04.xx</a></li> </ul>
<b>Spansion FR Softune</b>	<p>The following Spansion FR Softune (formerly "Fujitsu FR Softune") compilers are supported:</p> <ul style="list-style-type: none"> <li>• <a href="#">FR Family Softune C/C++ Compiler V6</a></li> </ul>
<b>Texas Instruments</b>	<p>The following Texas Instruments compilers are supported:</p> <ul style="list-style-type: none"> <li>• <a href="#">TI ARM C/C++ Compiler v18.1</a></li> <li>• <a href="#">TI ARM C/C++ Compiler v5.1.x</a></li> <li>• <a href="#">TI ARM C/C++ Compiler GNU GCC 7.x</a></li> <li>• <a href="#">TI TMS320C2000 C/C++ Compiler v16.9</a></li> <li>• <a href="#">TI TMS320C2000 C/C++ Compiler v18.1</a></li> <li>• <a href="#">TI TMS320C6x C/C++ Compiler v7.4</a></li> <li>• <a href="#">TI TMS320C6x C/C++ Compiler v8.2</a></li> <li>• <a href="#">TI MSP430 C/C++ Compiler v18.1</a></li> <li>• <a href="#">TI MSP430 C/C++ Compiler GNU GCC 6.x</a></li> <li>• <a href="#">Deprecated Compilers</a> <ul style="list-style-type: none"> <li>• <a href="#">TI TMS320C2000 C/C++ Compiler v6.2</a></li> <li>• <a href="#">TI TMS320C6x C/C++ Compiler v7.3</a></li> <li>• <a href="#">TI MSP430 C/C++ Compiler v4.0</a></li> </ul> </li> </ul>
<b>Wind River</b>	<p>The following Wind River compilers are supported:</p> <ul style="list-style-type: none"> <li>• <a href="#">Wind River GCC 3.3.x</a></li> <li>• <a href="#">Wind River GCC 4.1.x</a></li> <li>• <a href="#">Wind River GCC 4.3.x</a></li> <li>• <a href="#">Wind River GCC 4.8.x</a></li> <li>• <a href="#">Wind River Diab 5.7.x</a></li> <li>• <a href="#">Wind River Diab 5.8.x</a></li> <li>• <a href="#">Wind River Diab 5.9.x</a></li> <li>• <a href="#">Deprecated Compilers</a> <ul style="list-style-type: none"> <li>• <a href="#">Wind River GCC 3.4.x</a></li> </ul> </li> </ul>