

Compilers

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

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

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

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

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