

Supported 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
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• Additional Support Information
GCC for Tricore	<p>The following GCC compilers for Tricore are supported:</p> <ul style="list-style-type: none">• GCC for Tricore 4.9.x

GNU GCC	<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 4.9.x (mips64el)• 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 7.x (mips64el)• 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)
Green Hills Software	<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® C++ 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