

TargetLink

Evaluation Board Hardware Reference

For TargetLink 3.5

Release 2013-B – November 2013

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How to Contact dSPACE Support

To contact dSPACE if you have problems and questions, fill out the support request form provided on the website at <http://www.dspace.com/go/supportrequest>.

The request form helps the support team handle your difficulties quickly and efficiently.

In urgent cases contact dSPACE via phone:

- General Technical Support: +49 5251 1638-941
- TargetLink Support: +49 5251 1638-700

Software Updates and Patches

dSPACE strongly recommends that you download and install the most recent patches for your current dSPACE installation. Visit <http://www.dspace.com/go/support> for software updates and patches.

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Overview of the Supported Targets

Combinations of Evaluation Boards, Microcontrollers, and Compilers

Overview

The following table shows the combinations of evaluation boards, microcontrollers, and compilers supported for TargetLink processor-in-the-loop (PIL) simulation:

Microcontroller Family	Evaluation Board	Microcontroller Type	Compiler ¹⁾	Patch ²⁾
Freescale HCS12	Freescale HCS12EVB ³⁾	Freescale MC9S12DP256	Cosmic 4.7	.8
Freescale HCS12	Freescale HCS12EVB ³⁾	Freescale MC9S12DP256	Cosmic 4.8	.1
Freescale HCS12	Freescale HCS12EVB ³⁾	Freescale MC9S12DP256	Metrowerks CodeWarrior 3.1	5.0.24 build 4047
Freescale HCS12	Freescale HCS12EVB ³⁾	Freescale MC9S12DP256	Metrowerks CodeWarrior 5.1	5.0.41 build 10203
Freescale HCS12	MCT HCS12 T-Board (DP256) ³⁾	Freescale MC9S12DP256	Cosmic 4.7	.8
Freescale HCS12	MCT HCS12 T-Board (DP256) ³⁾	Freescale MC9S12DP256	Cosmic 4.8	.1
Freescale HCS12	MCT HCS12 T-Board (DP256) ³⁾	Freescale MC9S12DP256	Metrowerks CodeWarrior 3.1	5.0.24 build 4047
Freescale HCS12	MCT HCS12 T-Board (DP256) ³⁾	Freescale MC9S12DP256	Metrowerks CodeWarrior 5.1	5.0.41 build 10203
Freescale HCS12	MCT HCS12 T-Board (DP512)	Freescale MC9S12DP512	Cosmic 4.7	.8
Freescale HCS12	MCT HCS12 T-Board (DP512)	Freescale MC9S12DP512	Cosmic 4.8	.1
Freescale HCS12	MCT HCS12 T-Board (DP512)	Freescale MC9S12DP512	Metrowerks CodeWarrior 3.1	5.0.24 build 4047

Overview of the Supported Targets

Microcontroller Family	Evaluation Board	Microcontroller Type	Compiler ¹⁾	Patch ²⁾
Freescale HCS12	MCT HCS12 T-Board (DP512)	Freescale MC9S12DP512	Metrowerks CodeWarrior 5.1	5.0.41 build 10203
Freescale MC56F83xx	Freescale 56F8367 Evaluation Module	Freescale MC56F8367	Metrowerks CodeWarrior 8.3	8.3 build 1061
Freescale MPC500	Axiom CMD-0565	Freescale MPC565	Wind River Diab 5.7	.0 patch WIND00168074
Freescale MPC500	Axiom CME-0555	Freescale MPC555	Green Hills 5.1	.6 p3
Freescale MPC500	Axiom CME-0555	Freescale MPC555	Wind River Diab 5.7	.0 patch WIND00168074
Freescale MPC5500	Axiom MPC5554DEMO	Freescale MPC5554	GNU 4.1	.2
Freescale MPC5500	Axiom MPC5554DEMO	Freescale MPC5554	Green Hills 2012.1	.0
Freescale MPC5500	Axiom MPC5554DEMO	Freescale MPC5554	Metrowerks CodeWarrior 2.8	4.3 build 209
Freescale MPC5500	Axiom MPC5554DEMO	Freescale MPC5554	Wind River Diab 5.7	.0 patch WIND00168074
Freescale MPC5500	Axiom MPC5554DEMO	Freescale MPC5554	Wind River Diab 5.9	.0
Freescale MPC5500VLE	Freescale MPC5561EVb	Freescale MPC5561	Green Hills 2012.1	.0
Freescale MPC5500VLE	Freescale MPC5561EVb	Freescale MPC5561	Metrowerks CodeWarrior 2.8	4.3 build 209
Freescale MPC5500VLE	Freescale MPC5561EVb	Freescale MPC5561	Wind River Diab 5.9	.0
Freescale MPC5500VLE	Freescale MPC5561EVb USB	Freescale MPC5561	Green Hills 2012.1	.0
Freescale MPC5500VLE	Freescale MPC5561EVb USB	Freescale MPC5561	Metrowerks CodeWarrior 2.8	4.3 build 209
Freescale MPC5500VLE	Freescale MPC5561EVb USB	Freescale MPC5561	Wind River Diab 5.9	.0
Freescale MPC5600VLE	Freescale MPC5604BEVB	Freescale MPC5604B	Green Hills 2012.1	.0
Freescale MPC5600VLE	Freescale MPC5604BEVB	Freescale MPC5604B	Green Hills 5.2	.4
Freescale MPC5600VLE	Freescale MPC5604BEVB	Freescale MPC5604B	Wind River Diab 5.9	.0
Freescale S12X	MCT S12X T-Board ³⁾	Freescale MC9S12XDP512	Cosmic 4.8	.1
Freescale S12X	MCT S12X T-Board ³⁾	Freescale MC9S12XDP512	Metrowerks CodeWarrior 5.1	5.0.41 build 10203
Freescale S12X	MCT S12X T-Board USB ³⁾	Freescale MC9S12XDP512	Cosmic 4.8	.1
Freescale S12X	MCT S12X T-Board USB ³⁾	Freescale MC9S12XDP512	Metrowerks CodeWarrior 5.1	5.0.41 build 10203
Infineon c166	I+ME Promotion Package 166	Infineon c167	TASKING TASKING C166/ST10 Toolchain 8.6	r1 p3
Infineon c166	I+ME Promotion Package 166	Infineon c167	TASKING TASKING C166/ST10 Toolchain 8.7	r3
Infineon TriCore 1-1.3	Infineon TriBoard TriCore 1766	Infineon TC1766	TASKING TASKING TriCore VX-Toolset 3.2	r1
Infineon TriCore 1-1.3	Infineon TriBoard TriCore 1766	Infineon TC1766	TASKING TASKING TriCore VX-Toolset 4.2	r1
Infineon TriCore 1-1.3	Infineon TriBoard TriCore 1766 20 MHz	Infineon TC1766	TASKING TASKING TriCore VX-Toolset 3.2	r1

Microcontroller Family	Evaluation Board	Microcontroller Type	Compiler ¹⁾	Patch ²⁾
Infineon TriCore 1-1.3	Infineon TriBoard TriCore 1766 20 MHz	Infineon TC1766	TASKING TASKING TriCore VX-Toolset 4.2	r1
Infineon TriCore 1-1.3	Infineon TriBoard TriCore 1767	Infineon TC1767	TASKING TASKING TriCore VX-Toolset 3.2	r1
Infineon TriCore 1-1.3	Infineon TriBoard TriCore 1767	Infineon TC1767	TASKING TASKING TriCore VX-Toolset 4.2	r1
Infineon TriCore 1-1.3	Infineon TriBoard TriCore 1796	Infineon TC1796	HighTec GNU 3.4	.5.1
Infineon TriCore 1-1.3	Infineon TriBoard TriCore 1796	Infineon TC1796	TASKING TASKING TriCore VX-Toolset 3.2	r1
Infineon TriCore 1-1.3	Infineon TriBoard TriCore 1796	Infineon TC1796	TASKING TASKING TriCore VX-Toolset 4.2	r1
Infineon XC2000	Infineon EasyKit XC2287	Infineon XC2287	TASKING TASKING VX-toolset for C 166 3.0	r3
Renesas M32R	Renesas M3A-2154	Renesas M32192	Gaio 11	.02
Renesas M32R	Renesas M3A-2154	Renesas M32192	Gaio 9	.17
Renesas M32R	Renesas M3A-2154	Renesas M32192	Renesas 5.1	r1
Renesas SH-2	Renesas EVB7058	Renesas SH-2E/SH7058	Renesas 9.3	.0
Renesas SH-2	Renesas EVB7058	Renesas SH-2E/SH7058	Renesas 9.4	.0
Renesas SH-2	Renesas SH72513 System Development Kit	Renesas SH-2A-FPU/SH72513	Renesas 9.4	.0
Renesas V850E2	Renesas AB_050_Fx4_70F4012	Renesas V850E2/Fx4-μPD70F4012	Green Hills 2012.1	.1
Renesas V850ES	NEC Fx3-CAN it!	NEC V850ES/FG3-μPD70F3377	Green Hills 2012.1	.1
Renesas V850ES	NEC Fx3-CAN it!	NEC V850ES/FG3-μPD70F3377	NEC 3.40	-

¹⁾ Compiler Suite Version Supported

²⁾ TargetLink Run-Time Library Created with Compiler Version

³⁾ The board is no longer distributed by dSPACE but is still supported for downward compatibility.



For further PIL support combinations that are part of a valid Software Maintenance Service (SMS) contract, refer to dSPACE's TargetLink PIL Support website.