

# TargetLink 4.0 Evaluation Boards

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## 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 <sup>1)</sup>	Patch <sup>2)</sup>
Freescale HCS12	Freescale HCS12EVB <sup>3)</sup>	Freescale MC9S12DP256	Cosmic 4.8	.1
Freescale HCS12	Freescale HCS12EVB <sup>3)</sup>	Freescale MC9S12DP256	Metrowerks CodeWarrior 5.1	5.0.41 build 10203
Freescale HCS12	MCT HCS12 T-Board (DP256) <sup>3)</sup>	Freescale MC9S12DP256	Cosmic 4.8	.1
Freescale HCS12	MCT HCS12 T-Board (DP256) <sup>3)</sup>	Freescale MC9S12DP256	Metrowerks CodeWarrior 5.1	5.0.41 build 10203
Freescale HCS12	MCT HCS12 T-Board (DP512)	Freescale MC9S12DP512	Cosmic 4.8	.1
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 MPC5500	Axiom MPC5554DEMO	Freescale MPC5554	GNU 4.1	.2

Microcontroller_Family	Evaluation_Board	Microcontroller_Type	Compiler <sup>1)</sup>	Patch <sup>2)</sup>
Freescale MPC5500	Axiom MPC5554DEMO	Freescale MPC5554	Green Hills 2013	.5.4
Freescale MPC5500	Axiom MPC5554DEMO	Freescale MPC5554	Metrowerks CodeWarrior 2.8	4.3 build 209
Freescale MPC5500	Axiom MPC5554DEMO	Freescale MPC5554	Wind River Diab 5.9	.0
Freescale MPC5500VLE	Freescale MPC5561EVb	Freescale MPC5561	Green Hills 2013	.5.4
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 2013	.5.4
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	.0
Freescale MPC5600VLE	Freescale MPC5604BEVB	Freescale MPC5604B	Green Hills 2013	.5.4
Freescale MPC5600VLE	Freescale MPC5604BEVB	Freescale MPC5604B	Wind River Diab 5.9	.0
Freescale S12X	MCT S12X T-Board <sup>3)</sup>	Freescale MC9S12XDP512	Cosmic 4.8	.1
Freescale S12X	MCT S12X T-Board <sup>3)</sup>	Freescale MC9S12XDP512	Metrowerks CodeWarrior 5.1	5.0.41 build 10203
Freescale S12X	MCT S12X T-Board USB <sup>3)</sup>	Freescale MC9S12XDP512	Cosmic 4.8	.1
Freescale S12X	MCT S12X T-Board USB <sup>3)</sup>	Freescale MC9S12XDP512	Metrowerks CodeWarrior 5.1	5.0.41 build 10203
Infineon c166	I+ME Promotion Package 166	Infineon c167	Altium TASKING C166/ST10 Toolchain 8.6	r1 p3
Infineon c166	I+ME Promotion Package 166	Infineon c167	Altium TASKING C166/ST10 Toolchain 8.7	r3
Infineon TriCore 1-1.3	Infineon TriBoard TriCore 1766	Infineon TC1766	Altium TASKING TriCore VX-Toolset 3.2	r1
Infineon TriCore 1-1.3	Infineon TriBoard TriCore 1766	Infineon TC1766	Altium TASKING TriCore VX-Toolset 4.3	r3
Infineon TriCore 1-1.3	Infineon TriBoard TriCore 1766 20 MHz	Infineon TC1766	Altium TASKING TriCore VX-Toolset 3.2	r1
Infineon TriCore 1-1.3	Infineon TriBoard TriCore 1766 20 MHz	Infineon TC1766	Altium TASKING TriCore VX-Toolset 4.3	r3
Infineon TriCore 1-1.3	Infineon TriBoard TriCore 1767	Infineon TC1767	Altium TASKING TriCore VX-Toolset 3.2	r1
Infineon TriCore 1-1.3	Infineon TriBoard TriCore 1767	Infineon TC1767	Altium TASKING TriCore VX-Toolset 4.3	r3
Infineon TriCore 1-1.3	Infineon TriBoard TriCore 1796	Infineon TC1796	HighTec GNU 3.4	.5.1

Microcontroller_Family	Evaluation_Board	Microcontroller_Type	Compiler <sup>1)</sup>	Patch <sup>2)</sup>
Infineon TriCore 1-1.3	Infineon TriBoard TriCore 1796	Infineon TC1796	Altium TASKING TriCore VX-Toolset 3.2	r1
Infineon TriCore 1-1.3	Infineon TriBoard TriCore 1796	Infineon TC1796	Altium TASKING TriCore VX-Toolset 4.3	r3
Infineon XC2000	Infineon EasyKit XC2287	Infineon XC2287	Altium TASKING VX-toolset for C166 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 2013	.5.5
Renesas V850ES	NEC Fx3-CAN it!	NEC V850ES/FG3-μPD70F3377	Green Hills 2013	.5.5
Renesas V850ES	NEC Fx3-CAN it!	NEC V850ES/FG3-μPD70F3377	NEC 3.40	-

<sup>1)</sup> Compiler Suite Version Supported

<sup>2)</sup> TargetLink Run-Time Library Created with Compiler Version

<sup>3)</sup> 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.

## Changes in the Target Simulation Modules

### New and discontinued compiler versions

The following table shows the compiler versions that are now supported by TargetLink 4.0, refer to the New and No changes columns. Compiler versions that are no longer supported are listed in the Discontinued column.

Target	Compiler	New	No changes	Discontinued
C16x	TASKING	—	8.6, 8.7	—
HCS12	Cosmic	—	4.8	4.7
	Metrowerk	—	5.1	3.1
M32R	Gaio	—	11, 9	—
	Renesas	—	5.1	—

Target	Compiler	New	No changes	Discontinued
MC56F83	Metrowerk	—	8.3	—
MPC55xx	Diab	—	5.9	5.7
	GreenHill	2013	—	2012
	GNU	—	4.1	—
	Metrowerk	—	2.8	—
MPC55xxVLE	Diab	—	5.9	—
	GreenHill	2013	—	2012
	Metrowerk	—	2.8	—
MPC560xVLE	Diab	—	5.9	—
	GreenHill	2013	2012	5.2
MPC5xx	Diab	—	—	5.7
	GreenHill	—	—	5.1
S12X	Cosmic	—	4.8	—
	Metrowerk	—	5.1	—
SH2	Renesas	—	9.3, 9.4	—
SH2A-FPU	Renesas	—	9.4	—
TriCore17xx	TASKING	4.3	3.2	4.2
TriCore1796	GNU	—	3.4	—
V850	GreenHill	2013	—	2012
	NEC	—	3.4	—
XC22xx	TASKING	—	3.0	—

For detailed information on the evaluation boards supported by TargetLink, refer to [TargetLink Evaluation Board Hardware Reference](#).



The MPC5xx target is no longer supported by TargetLink but still distributed by dSPACE.

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

## How to Contact dSPACE

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