TargetLink 5.0 Evaluation Boards

Where to go from here

Information in this section

Combinations of Evaluation Boards, Microcontrollers, and Compilers

Target Simulation Module

To perform a PIL simulation on a specific evaluation board, TargetLink needs a suitable compiler. The following table shows the combinations of evaluation boards and compilers included in the Target Simulation Module (TSM). The TSM is licensed separately from the TargetLink Base Suite.

Microcontroller Family	Microcontroller Unit	Evaluation Board	Compiler[1)]	Patch[2)]
ARM Cortex-M3	STMicroelectronics STM32F107	Emerge-Engineering ARM MEDKit	Keil 5.2	.0
ARM Cortex-M3	ARM Cortex M3	Lauterbach Simulator for ARM CortexM3	Keil 5.2	.0
Freescale MPC5700VLE	Freescale MPC5748G	Freescale MPC5748GEVB	Green Hills 2019	.1.4
Freescale MPC5700VLE	Freescale MPC5748G	Freescale MPC5748GEVB	Wind River Diab 5.9	.0
Freescale S12X	Freescale MC9S12XEP100	Freescale EVB9S12XEP100	Cosmic 4.8	.11
Freescale S12X	Freescale MC9S12XEP100	Freescale EVB9S12XEP100	Metrowerks CodeWarrior 5.1	5.0.41 build 10203

Microcontroller Family	Microcontroller Unit	Evaluation Board	Compiler[1)]	Patch[2)]
Infineon c166	Infineon c167	I+ME Promotion Package 166	Altium TASKING C166/ST10 Toolset 8.6	r1 p3
Infineon TriCore 1-1.3	Infineon TC1766	Infineon TriBoard TriCore 1766	Altium TASKING TriCore VX-Toolset 3.2	r1
Infineon TriCore 1-1.3	Infineon TC1766	Infineon TriBoard TriCore 1766 20 MHz	Altium TASKING TriCore VX-Toolset 3.2	r1
Infineon TriCore 1-1.3	Infineon TC1767	Infineon TriBoard TriCore 1767	Altium TASKING TriCore VX-Toolset 3.2	r1
Infineon TriCore 1-1.3	Infineon TC1796	Infineon TriBoard TriCore 1796	Altium TASKING TriCore VX-Toolset 3.2	r1
Infineon TriCore 1-1.6	Infineon TC275	Infineon TriBoard TriCore 275	Altium TASKING TriCore VX-Toolset 6.3	r1
Infineon TriCore 1-1.6	Infineon TC275	Infineon TriBoard TriCore 275	HighTec GNU 4.9	.2
Infineon TriCore 1-1.6	Infineon TC275	Lauterbach Simulator for TriCore 275	Altium TASKING TriCore VX-Toolset 4.2	r2
Infineon XC2000	Infineon XC2287	Infineon EasyKit XC2287	Altium TASKING C166/ST10 VX-Toolset 3.0	r3
Renesas RH850	Renesas RH850/F1L_R7F7010354	Renesas YRH850F1L_R7F7010354	Green Hills 2019	.1.5
Renesas SH-2	Renesas SH-2E/SH7058	Renesas EVB7058	Renesas 9.3	.0
Renesas SH-2	Renesas SH-2A-FPU/SH72513	Renesas SH72513 System Development Kit	Renesas 9.4	.0
Renesas V850E2	Renesas V850E2/Fx4-µPD70F4012	Renesas AB_050_Fx4_70F4012	Green Hills 2019	.1.5
Texas Instruments TMS570	Texas Instruments TMS570LC43	Texas Instruments LAUNCHXL2570LC43	Texas Instruments Code Composer Studio 7.0	.3.0

1) Compiler Suite Version Supported
2) Tested with Compiler Version

Target Simulation Module Extensions

For a full list of all supported evaluation board and compiler combinations, refer to www.dspace.com/go/tlpil. The combinations in the list are free of charge if you have a valid Software Maintenance Service (SMS) contract.

If you do not have a valid SMS contract or are looking for a different combination, contact dSPACE Support or your sales representative.

All Target Simulation Module Extensions will be delivered as TSM Extension Packages and can be installed via the TargetLink Preferences Editor. For more information on the installation, refer to How To Install TSM Extension Packages (🕮 TargetLink Customization and Optimization Guide).

Target Simulation Module Extensions require the Target Simulation Module.

Changes in the Target Simulation Modules

Support for new evaluation board

The Target Simulation Module of TargetLink 5.0 supports the Texas Instruments LAUNCHXL2570LC43 evaluation board.

Related documentation

- Combinations of Evaluation Boards and Compilers (🕮 Evaluation Board Reference)

Availability of support for Freescale MPC5604B

As of TargetLink 5.0, the Freescale MPC5604B evaluation board is supported via a Target Simulation Module (TSM) Extension instead of the TSM. TSM Extensions are free of charge if you have a valid Software Maintenance Service (SMS) contract.

Related documentation Combinations of Evaluation Boards and Compilers (🕮 Evaluation Board Reference)

New and discontinued compiler versions

The following table shows the compiler versions that are now supported by TargetLink 5.0. Refer to the New and No changes columns. Compiler versions that are no longer supported are listed in the Discontinued column.

Microcontroller Family	Compiler	New	No Changes	Discontinued
ARM CortexM3	Keil	—	5.2	—
C16x	TASKING	—	8.6	—
MPC57xxVLE	Diab	—	5.9	—
	GreenHill	2019	—	2018
MPC560xVLE	Diab	—	—	5.9
	GreenHill	—	—	2018
RH850	GreenHill	2019	—	2018
S12X	Cosmic	—	4.8	—
	Metrowerk	—	5.1	—
SH2	Renesas	—	9.3	—
SH2A-FPU	Renesas	—	9.4	—
TriCore17xx	TASKING	—	3.2	6.2
TriCore2xx	TASKING	6.3	—	6.2
	GCC	4.9	—	4.6
TMS570 (ARM)	CCS	7.0	—	—
V850	GreenHill	2019	—	2018
XC22xx	TASKING	—	3.0	—

For more information on the evaluation boards supported by TargetLink, refer to Combinations of Evaluation Boards and Compilers (🕮 Evaluation Board Reference).

Note

For more 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

Mail:	dSPACE GmbH Rathenaustraße 26 33102 Paderborn Germany
Tel.:	+49 5251 1638-0
Fax:	+49 5251 16198-0
E-mail:	info@dspace.de
Web:	http://www.dspace.com