

Table A :: 1-3

supported targets since TESSY v4.0.17

Debugger	CCS (TI)	CDT Debugger	Codewarrior (Eclipse)	Codewarrior (Classic)	Cross Core (CCES)	C-Spy (IAR)	eSol eBinder	HighTec GNU (HighTec)*	HiTOP (Hitex)	MULTI 2000 (Green Hills)	MPLAB (MICROCHIP)*	Nios II GNU Debugger *	Noral Flex (Noral)	SEgger JLink debugger*	SingleStep (Windriver)	TrueSTUDIO*	Softune (Fujitsu)	STVD (ST Microelectr.)	TRACE32 (Lauterbach)	UDE (PLS)	Visual DSP (Analog Devices)	Wind River Workbench	µVision (Keil)	winIDEA (iSYSTEM)	ZAP (Cosmic)
<b>ALTERA</b>																									
NIOS II												✓								✓					
<b>Analog Devices</b>																									
Blackfin					✓																	✓			
SHARC					✓																				
<b>Atollic</b>																									
GCC ARM														✓		✓									
<b>ARM</b>																									
ADS Arm (legacy)									✓												✓				
<b>ARM V5</b>							✓		✓												✓	✓		✓	✓
<b>Cosmic</b>																									
ARM																									✓
HC11									✓															✓	
HCS12									✓				✓											✓	✓
HCS08									✓					✓										✓	
S12X																								✓	✓
S12G																								✓	✓
S12Z																									✓
ST7									✓															✓	
STM8																									✓
<b>DiabData</b>																									
PPC5xx (s. WindRiver)																✓									✓
<b>Freescale (Metrowerks)</b>																									
Coldfire V1			✓	✓																					
DSP568E			✓	✓																					
HCS12				✓					✓																✓
HCS08 (Classic)				✓					✓																✓
HCS08 (Eclipse)			✓						✓																✓
MPC			✓						✓																✓
S12X				✓																					✓
S12Z			✓																						✓
ST7									✓																✓
<b>Fujitsu</b>																									
FFMC16																									✓
FFMC32																									✓
<b>GNU</b>																									
Arm (Arm Cortex)			✓	✓				✓						✓											✓
GCC		✓																							
PPC																									✓

>> Table A :: 2-3



currently supported by



new or updated

DocRev 4.0-12

\* These targets do not provide interactive debugger functionality while running TESSY tests, but special procedures are available (s. respective AppNotes for the debugger).

**Note:** We may add support for non supported targets on demand. Please contact support@razorcat.com for more information.

**Table A :: 2-3**

supported targets since TESSY v4.0.17

Debugger	CCS (TI)	Codewarrior (Freescale)	Crossview (Tasking)	C-Spy (IAR)	Fastview (PLS)	gdbserver <sup>2</sup>	HiTOP (Hitex)	HighTec GNU (HighTec)*	Melexis Mlx16*	MULTI 2000 (Green Hills)	MPLAB 8.x (MICROCHIP) *	MPLAB X (MICROCHIP) *	PD 30/308 (Renesas)	Phyton PICE-MC	Renesas e2 studio	SMPlus / ID78K0 (NEC)	Softune (Fujitsu)	STVD7 (ST Microelectr.)	TRACE32 (Lauterbach)	UDE (PLS)	Visual DSP (Analog Devices)	Wind River Workbench	µVision (Keil)	winIDEA (iSYSTEM)
<b>Green Hills</b>																								
Arm / Cortex										✓									✓					
MPC / PPC										✓									✓					✓
TriCore										✓														
V850 / RH850										✓									✓					✓
x86										✓														✓
<b>HighTec</b>																								
<b>PPC</b>																								
Tricore							✓												✓	✓				✓
<b>HI-TECH</b>																								
PIC16										✓														
PIC18										✓	✓		✓											
<b>IAR</b>																								
78K0/78K0r				✓												✓								✓
8051				✓																				
ARM				✓															✓					✓
AVR				✓																				
AVR32				✓																				
dsPIC				✓																				
H8S																			✓					
M16C/R8C				✓									✓											
M32C													✓											
MSP430				✓																				
HC12				✓															✓					
PIC18				✓							✓			✓										
R32C				✓																				
RL78				✓																				
RX				✓																				
STM8				✓																				
V850				✓																				
<b>Keil</b>																								
ARM / Cortex																								✓
C166							✓												✓	✓			✓	✓
XC166							✓												✓	✓			✓	✓
C51							✓																✓	✓
<b>Knudsen</b>																								
PIC18													✓											
<b>KPIT</b>																								
GNURX															✓									
<b>Linaro</b>																								
GNU ARM					✓																			
<b>Melexis</b>																								
Mlx16								✓																

>> **Table A :: 3-3**

✓ currently supported by TESSY
 ✓ new or updated

\* These targets do not provide interactive debugger functionality while running TESSY tests, but special procedures are available (s. respective AppNotes for the debugger).  
 2 on BeagleBone Black and Raspberry Pi 3

**Note:** We may add support for non supported targets on demand. Please contact support@razorcat.com for more information.

**Table A :: 3-3**

supported targets since TESSY v4.0.17

Compiler / Debugger	CCS 5.x/6.x (TI) *	CCS 4.x (TI) *	CCS 3.3 (TI)	Crossview (Tasking)	C-Spy (IAR)	Eclipse Debugger (Tasking) *	e2 studio (Renesas)	Fastview (PLS)	Hawk Debugger (RadiSys)	HEW (Renesas)	HighTec GNU (HighTec) *	HiTOP (Hitex)	MPLAB 8.x (MICROCHIP) *	MPLAB X (MICROCHIP) *	PD 30/308 (Renesas)	LabWindows/CVI (NI)	Renesas CS+	SingleStep (Windriver)	SMPlus / ID78K0 (NEC)	Softune (Fujitsu)	Synopsys ARC MW Debugger	TRACE32 (Lauterbach)	UDE (PLS)	Wind River WindISS	winIDEA (ISYSTEM)	
<b>Mentor</b>																										
Sourcery f. ARM																										
<b>Microchip</b>																										
C30 (dsPIC,PIC24)													✓	✓												
MCC18 (PIC18)													✓													
XC8 (PIC12/16/18)														✓												
XC16 (dsPIC/PIC24)														✓												
XC32 (PIC32)														✓												
<b>Microtec</b>																										
68k																				✓						
<b>National</b>																										
CR16																										✓
LabWindows/CVI																✓										
<b>NEC</b>																										
78K0																					✓					
V850																					✓					
<b>RadiSys.</b>																										
Microw. Ultra C									✓															✓		
<b>Renesas</b>																										
RL78K0R																	✓									
CCR32																				✓		✓				
NC30 (M16C/R8C)										✓					✓											
NC100 (R32C)										✓																
<b>RH850</b>																	✓									
RX						✓																				
SH									✓											✓		✓				
<b>Synopsys</b>																										
ARC DesignWare																						✓				
ARC MetaWare (600/700)																						✓				
<b>Tasking</b>																										
C166 (Classic)				✓				✓				✓										✓	✓			
XC166 (Classic)				✓								✓										✓	✓			
XC166 VX (Eclipse)						✓						✓										✓	✓		✓	
Tricore (Classic)				✓								✓										✓	✓			
Tricore VX (Classic)				✓								✓										✓	✓		✓	
Tricore VX (Eclipse)						✓																✓	✓		✓	
XC8051 (Classic)																						✓				



currently supported by TESSY



new or updated

\* These targets do not provide interactive debugger functionality while running TESSY tests, but special procedures are available (s. respective AppNotes for the debugger).

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**Table A :: 3-3**

supported targets since TESSY v4.0.17

	CCS 5.x/6.x (TI) *	CCS 4.x (TI) *	CCS 3.3 (TI)	Crossview (Tasking)	C-Spy (IAR)	Eclipse Debugger (Tasking) *	e2 studio (Renesas)	Fastview (PLS)	Hawk Debugger (RadiSys)	HEW (Renesas)	HighTec GNU (HighTec) *	HiTOP (Hitex)	MPLAB 8.x (MICROCHIP) *	MPLAB X (MICROCHIP) *	PD 30/308 (Renesas)	LabWindows/CVI (NI)	SingleStep (Windriver)	SMPlus / ID78K0 (NEC)	Softune (Fujitsu)	TRACE32 (Lauterbach)	UDE (PLS)	Wind River Workbench	Wind River WindISS	Wind River WRDBG	winIDEA (ISYSTEM)
<b>TI</b>																									
MSP 430	✓	✓																							
TMS 320C2000	✓	✓	✓																✓						
TMS 320C6000	✓	✓	✓																✓						
TMS 470	✓	✓	✓																✓						✓
TMS 570	✓	✓																		✓					
TMS320C5400	✓																								
<b>Wind River</b>																									
<b>PPC / MPC</b>																									
RH850																			✓	✓	✓	✓			✓
TriCore																			✓	✓	✓	✓			✓



currently supported by TESSY



new or updated

\*

These targets do not provide interactive debugger functionality while running TESSY tests, but special procedures are available (s. respective AppNotes for the debugger).

**Note:** We may add support for non supported targets on demand. Please contact [support@razorcat.com](mailto:support@razorcat.com) for more information.

**Note: The tables B and C lists the versions of the compilers, debuggers, emulators, simulators that have successfully been tested with TESSY. Versions later than the minimum listed may be supported by TESSY, even if they are not listed here. If you install and test against versions not listed here, please send an e-mail to support@razorcat.com in case of problems. Please mind, some of the tested versions are not usable with Windows 7/8/10.**

**Table B :: 1-3**

C Compiler	Tested Versions
<b>ALTERA</b>	
NIOS II	10.0
<b>Analog Devices</b>	
Blackfin	s. debugger
SHARC	s. debugger
<b>Arm</b>	
ADS	1.2
RVCT	2.x, 3.1
ARM V5 (ARMCC)	5.x
<b>Atollic</b>	
GCC ARM	4.8.3, 5.3.1
<b>Cosmic</b>	
ARM	4.3.6
HCS12	4.5i
HCS08	4.4c
S12X (S12G)	4.6h, 4.7
S12Z	4.2.8
ST7	4.5.8
STM8	4.3.1
<b>DiabData</b>	
PPC5xx	4.2a
<b>Freescale (Metrowerks)</b>	
Coldfire V1	CW 6.3 / 10.2
DSP568E	CW 7.1 / 8.0
HCS12	CW 3.0 / 4.5
HCS08	CW 3.0 / 5.1 / 10.4
MPC	CW 2.10 / CW 10.x
S12X	CW 4.1 / 4.6 / 5.1
S12Z	CW 10.6
ST7	5.0.8 (CW 2.0)
<b>Fujitsu</b>	
FFMC16	V30L31R03
FFMC32	V60L03
<b>GNU</b>	
Arm	4.1.1
Arm Cortex	4.3.3
GCC (x86)	3.4.4
GNU Tools f. ARM	4.8.4
PPC	X-Tools Emb. Tools. 2.0
<b>Green Hills</b>	
Arm	2015* (IDE 7*)
MPC/PPC	2015* (IDE 7*)
TriCore	2015* 6* (IDE 6* 7*)
V850/RH80	2015* 7* (IDE 7*)
x86	2015* (IDE 7*)

**Table B :: 2-3**

<b>C Compiler</b>	<b>Tested Versions</b>
<b>HighTec</b>	
PPC	4.6.5
Tricore	3.3.2
<b>HI-TECH</b>	
PIC16	9.65PL1
PIC18	9.65PL3
<b>IAR</b>	
78K0S/78K0/78K0r	4.70.1, 4.80.1 (EWB)
8051	8.20 (EWB)
ARM	5.x, 6.x, 7.40, 8.x (EWB)
dsPIC	1.40 (EWB)
AVR	5.50.1, 6.70 (EWB)
AVR32	6.70 (EWB)
M16C	3.30A, 3.70 (EWB)
M32C	3.10A (EWB)
MSP430	4.21, 5.x, 6.50 (EWB)
H8S	1.53i (EWB)
HC12	2.42A, 4.10 (EWB)
PIC18	3.10A (EWB)
R32C	1.20A (EWB)
RL78	1.20, 1.40, 2.10 (EWB)
RX	2.60 (EWB)
STM8	1.20 (EWB)
V850	3.20A, 3.81.3, 4.x (EWB)
<b>Keil</b>	
Arm	see ARM (tab. B 1-3)
C166	4.27i
XC166	5.01
C51	7.x, 8.x,9.x
<b>Knudsen</b>	
PIC18	1.1A
<b>KPIT</b>	
RX	4.8-GNURX_v14.03
<b>Linaro</b>	
GNU ARM	arm-linux-gnueabi/hf 6.2.1
<b>Melexis</b>	
Mlx16	1.10.1
<b>Mentor</b>	
Sourcery f. ARM	4.5.2
<b>Microchip</b>	
PIC18	3.11
XC8 (PIC12/16/18)	1.34, 1.38
XC16 (dsPIC/PIC24)	1.20, 1.26
XC32 (PIC32)	1.31, 1.40
dsPIC / PIC24 (C30)	3.2
<b>Microtec</b>	
68k	5.3
<b>National Instruments</b>	
CR16	3.1
LabWindows/CVI	2013

Table B :: 3-3

C Compiler	Tested Versions
<b>NEC</b>	
78K0	4.01
V850	3.0
<b>RadiSys.</b>	
Microware Ultra C	2.11
<b>Renesas</b>	
RL78K0R	v2.72
CCR32	4.30R00
NC30 (M16C/R8C)	5.40R00
RX	2.1.00.07, 2.3.00.03
SH	9.00.01.001
<b>Synopsis</b>	
ARC DesignWare	K-2015.06
ARC MetaWare (600/700)	K-2015.06
<b>Tasking</b>	
(C166)/XC166 (Classic)	(6.x), 8.5, 8.7, 8.8
C166 VX (Eclipse)	2.2, 2.4, 2.5r1, 3.0r3
Tricore	1.3r1 (obsolete)
Tricore VX (Classic)	2.0r3, 2.1r1, 2.5r2
Tricore VX (Eclipse)	3.x, 4.3r1, 5.0r2, 6.0r1
XC8051 (XC8XX)	7.2r6
<b>TI</b>	
MSP430	CCS 4.x, 5.x, 6.x
TMS 320C2000	CCS 3.3, 4.x, 5.x, 6.x
TMS 320C6000	CCS 3.3, 4.x, 5.x, 6.x
TMS 470	CCS 3.3, 4.x, 5.x, 6.x
TMS 570	CCS 4.x, 5.x, 6.x, 7.x
<b>Wind River</b>	
MPC (PPC5xxx)	5.5,5.7,5.8,5.9
RH850	5.9.4.1
TriCore	5.9.4.1

Table C :: 1-2

Debugger/Emulator/Simulator	Tested Versions
<b>ALTERA</b>	
Nios II GNU Debugger	10.0
<b>Analog Devices</b>	
Visual DSP	4.0, 5.x
Cross Core (CCES)	1.0.2, 2.5.1
<b>Atollic</b>	
TrueStudio (GNU debugger)	5.2.1, 7.1.1
<b>Cosmic</b>	
ZAP	4.4.5
<b>Freescale</b>	
Codewarrior f. Coldfire	v6.3, v10.2
Codewarrior f. DSP 568E	v7.1 / v8.0
Codewarrior f. HCS08	v5.1, 10.4
Codewarrior f. HCS12(X)	v4.6 / v5.1
Codewarrior f. S12Z	v10.6
<b>GNU</b>	
CDT	8.0
gdbserver	Debian Linux on BeagleBone Black and Raspberry Pi 3
<b>Fujitsu</b>	
Softune3	Fujitsu FFMC16**
Softune6	Fujitsu FFMC32**
<b>Green Hills</b>	
MULTI 2000	Green Hills**
<b>HighTec</b>	
HighTec GNU Debugger	HighTec**
<b>Hitex</b>	
HiTOP	4.x, 5.x
<b>IAR</b>	
C-Spy	IAR**
<b>iSYSTEM</b>	
winIDEA	build 9.xx (05,10,11,12)
<b>Keil</b>	
µVision - DTC Interface	3.50
µVision - UVSC Interface	3.72, 4.x,5.x
<b>Lauterbach</b>	
TRACE32	<i>depends on target used</i>
<b>Melexis</b>	
Mlx16	2.56
<b>Microchip</b>	
MPLAB	8.60, 8.87
MPLAB X	1.95, 2.x, 3.40
(REAL ICE, ICD 2/3, Simulator)	
<b>National Instruments</b>	
LabWindows/CVI (clang)	2.9
<b>NEC</b>	
SM78K0(S)/ID78K0(S)	2.52
SMPlus V850	2.00
SMPlus 78K0	2.00
ID78K0	3.00

\*\* for tested versions see compiler :: table B



**Table C :: 2-2**

Debugger/Emulator/ Simulator	Tested Versions
<b>Noral</b>	
Flex BDM for HC12	2.6
<b>PLS</b>	
Fastview	2.2
UDE	3.x, 4.x
<b>Phyton</b>	
PICE-MC	5.07.02
<b>RadiSys.</b>	
Hawk Debugger	2.5
<b>Renasas</b>	
CS+ debugger	V3.01.00
e2 Studio	3.0.0.22, 4.3.0.007
PD30/308 Sim	v520r1a_e/v320r1a_e
PD30	8.20r1
PD30F/PD30MF	2.20r1
HEW	4.01, 4.03
<b>Segger</b>	
J-Link Debugger f. ARM	4.94
<b>ST Microelectronics</b>	
STVD	4.1.3
<b>Synopsys</b>	
ARC MetaWare Debugger	K-2015.06 (1558)
<b>Tasking</b>	
Crossview	Tasking**
Script/Eclipse-Debugger	
<b>TI</b>	
Code Composer Studio	TI**
<b>Wind River</b>	
SingleStep	7.6.2
WindISS	5.9.4.4
DeBuG shell (WRDBG)	3.1
Wind River Workbench	3.3 / 4.x

\*\* for tested versions see compiler :: table B