

**Wind River On-Chip Debugging
Processor Support List
(Processor Availability Matrix – PAM)
January 2010
Revision 2.0.1**

Software Products

**Workbench On-Chip Debugging 3.2
On-Chip Debugging API 3.9**

Hardware Products

**Wind River ICE 2
Wind River ICE 2 & Wind River Trace 2
Wind River Probe**

**Wind River ICE SX
Wind River Trace**

Introduction

Wind River On-Chip Debugging is a portfolio of products for JTAG-based debugging that support a wide range of processor devices based on ARM, ColdFire, Intel, MIPS, and PowerPC Architectures. The portfolio consists of hardware-based debug units powered by the Eclipse-based Wind River Workbench On-Chip Debugging (Integrated Development Environment) and On-Chip Debugging API, a solution for test and manufacturing.

This Processor Support List (sometimes referred to as the Processor Availability Matrix or PAM) describes the processors supported by each product in this portfolio. Wind River continues to make support available for the latest new processors from leading semiconductor suppliers. If you do not see your specific device listed, please contact your local Wind River sales representative to inquire about future processor support. Specific features supported by each hardware debug unit, Wind River Workbench On-Chip Debugging, and On-Chip Debugging API are provided in product notes located on www.windriver.com or by contacting your local Wind River sales representative. Below is a glossary of terms helpful when using this document.

Wind River Workbench On-Chip Debugging	A comprehensive standards-based integrated development environment for developing and debugging JTAG-, EJTAG- and BDM-based targets with a Wind River JTAG debug unit.
Wind River ICE 2	A high-performance, multicore-capable debug unit supporting JTAG- and ETJAG-based devices for a wide range of processors based on ARM, Intel, MIPS, and PowerPC architectures
Wind River Probe	An entry-level debug unit supporting JTAG-, ETJAG-, and BDM-based devices for a wide range of processors based on ARM, ColdFire, Intel, MIPS, and PowerPC architectures. Wind River Probe is powered by a USB port on a host PC for portability and convenience.
Wind River Trace 2	An optional hardware unit providing an external trace buffer for the Wind River ICE 2. This unit supports certain processor devices which provide external trace buffer support.
Wind River ICE SX	Debug unit introduced by Wind River in 2002 providing support for a wide range of devices including ColdFire, BDM-based Freescale MPC5xx and MPC8xx processors, and XScale processors. This unit was previously called Wind River ICE and is identified by its translucent blue color..
Wind River Trace	An optional hardware unit providing an external trace buffer for the Wind River ICE SX. This unit supports certain ColdFire and PowerPC processor devices which provide external trace buffer support.
Processor Family	A grouping of processors supported by a single license feature under Wind River's perpetual licensing model (PUF). This grouping is indicated by a solid-line box in the table. Certain processor families are sold as a bundle as indicated by a solid-line box in the table.

If you do not see your specific processor listed, please contact your Wind River sales representative to inquire about future device support

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ARM-based Processors (Part 1 of 1)

Processor Family	Vendor	Processor	Wind River Workbench On-Chip Debugging ver 3.2				Wind River On-Chip Debugging API ver.3.9			
			Wind River ICE 2	Wind River Trace 2	Wind River Probe*	Notes	Wind River ICE 2	Wind River Probe*	Notes	
ARM9	ARM (IP)	ARM9TDMI	√		√	1	√	√	1	
		ARM920T	√	√ ³	√	1	√	√	1	
		ARM922T	√	√ ³	√	1	√	√	1	
		ARM940T	√	√ ³	√	1	√	√	1	
		ARM926EJ-S	√	√ ³	√	1	√	√	1	
		ARM946ES	√	√ ³	√	1	√	√	1	
		Atmel	Excilibur	√		√	1	√	√	1
		Micrel	KS8695PX	√		√	1	√	√	1
		Mindspeed	M82515	√		√	1	√	√	1
		NEC	MP201	√		√	1	√	√	1
	Oxford	OXETHU954	√		√		√	√		
ARM11	ARM (IP)	ARM1136	√		√	1	√	√	1	
		ARM1136JFS	√		√	1	√	√	1	
		ARM1176 JZ(F)-S	√		√	1	√	√	1	
		MPCORE	√		√*	1	√	√*	1	
	NEC	Medity2	√		√		√	√		
ARM Cortex M3	Luminary	LM3S801	√		√	1	√	√	1	
ARM Cortex A8	ARM (IP)	CORTEXA8	√		√	1	√	√	1	
Atmel AT9x	Atmel	AT91RM9200	√	√ ³	√	1	√	√	1	
		AT91SAM9260	√		√	1	√	√	1	
		AT91SAM9261	√	√ ³	√	1	√	√	1	
Cavium Econa 11xx and 21xx	Cavium	CNS1102	√		√		√	√		
		CNS1104	√		√		√	√		
		CNS1105	√		√		√	√		
		CNS2131	√		√		√	√		
		CNS2132	√		√		√	√		
		CNS2133	√		√		√	√		
		CNS2181	√		√		√	√		
		CNS2182	√		√		√	√		
Freescale iMX9	Freescale	i.MX1	√	√ ³	√	1	√	√	1	
		i.MXL	√	√ ³	√	1	√	√	1	
		i.MXS	√	√ ³	√	1	√	√	1	
		i.MX21	√		√	1	√	√	1	
		i.MX27	√	√ ³	√	1	√	√	1	
Freescale i.MX25	Freescale	i.MX25	√	√ ³	√		√	√		
Freescale i.MX31 Freescale i.MX35	Freescale	i.MX31	√		√	1	√	√	1	
		i.MX35	√		√		√	√		
Freescale i.MX51	Freescale	i.MX51	√		√		√	√		
Marvell MV88F5x	Marvell	MV88F5181	√		√	1	√	√	1	
		MV88F5281	√		√	1	√	√	1	
TI Davinci DM64XX	TI	TMS320DM6441	√		√	1	√	√	1	
		TMS320DM6443	√		√	1	√	√	1	
		TMS320DM6446	√		√	1	√	√	1	
TI OMAP24xx	TI	OMAP2430	√		√	1	√	√	1	
TI OMAP34xx	TI	OMAP3410	√		√		√	√		
		OMAP3420	√		√		√	√		
		OMAP3430	√		√		√	√		
TI OMAP35xx	TI	OMAP3530	√		√		√	√		

√ Indicates a supported configuration

* Wind River Probe supports single-core / single-thread debug

1 Processor is also supported with Wind River ICE SX (Blue)

3 Processor must enable ETMv1.x for External Trace Buffer (Wind River Trace 2) support

If you do not see your specific processor listed, please contact your Wind River sales representative to inquire about future device support

ColdFire Processors (Part 1 of 2)

Processor Family	Vendor	Processor	Wind River Workbench On-Chip Debugging version 3.2				Wind River On-Chip Debugging API version 3.9	
			Wind River ICE 2	Wind River Trace 2	Wind River Probe*	Notes	Wind River Probe*	Notes
Freescale MCF5xxx	Freescale	MCF5202			√	1,2	√	1
		MCF5204			√	1,2	√	1
		MCF5206			√	1,2	√	1
		MCF5206E			√	1,2	√	1
		MCF5207 - Mini-me			√	1,2	√	1
		MCF5208 - Mini-me			√	1,2	√	1
		MCF5211			√	1,2	√	1
		MCF5212			√	1,2	√	1
		MCF5213			√	1,2	√	1
		MCF5214			√	1,2	√	1
		MCF5216			√	1,2	√	1
		MCF52100			√	1,2	√	1
		MCF52110			√	1,2	√	1
		MCF52210			√	1,2	√	1
		MCF52211			√	1,2	√	1
		MCF52212			√	1,2	√	1
		MCF52213			√	1,2	√	1
		MCF52210			√	1,2	√	1
		MCF52221			√	1,2	√	1
		MCF52223			√	1,2	√	1
		MCF52230			√	1,2,5	√	1
		MCF52231			√	1,2,5	√	1
		MCF52232			√	1,2,5	√	1
		MCF52233			√	1,2,5	√	1
		MCF52234			√	1,2,5	√	1
		MCF52235			√	1,2,5	√	1
		MCF52236			√	1,2,5	√	1
		MCF5232			√	1,2	√	1
		MCF5233			√	1,2	√	1
		MCF5234			√	1,2	√	1
		MCF5235			√	1,2	√	1
		MCF5249			√	1,2	√	1
		MCF5249L			√	1,2	√	1
		MCF5250			√	1,2	√	1
		MCF5251			√	1,2	√	1
		MCF5253			√	1,2	√	1
		MCF5270			√	1,2	√	1
		MCF5271			√	1,2	√	1
		MCF5272			√	1,2	√	1
		MCF5274			√	1,2	√	1
MCF5274L			√	1,2	√	1		
MCF5275			√	1,2	√	1		
MCF5275L			√	1,2	√	1		
MCF5280			√	1,2	√	1		
MCF5281			√	1,2	√	1		
MCF5282			√	1,2	√	1		

√ Indicates a supported configuration

* Wind River Probe supports single-core / single-thread debug

1 Processor is also supported with Wind River ICE SX (Blue)

2 Processor is also supported by optional Wind River Trace when used with Wind River ICE SX

5 Wind River Trace supported on LQFP package only, with PST/DDATA pins configured for trace.

If you do not see your specific processor listed, please contact your Wind River sales representative to inquire about future device support

ColdFire Processors (Part 2 of 2)

Processor Family	Vendor	Processor	Wind River Workbench On-Chip Debugging version 3.2				Wind River On-Chip Debugging API version 3.9		
			Wind River ICE 2	Wind River Trace 2	Wind River Probe*	Notes	Wind River ICE 2	Wind River Probe*	Notes
Freescale MCF5xxx	Freescale	MCF5307			√	1,2		√	1
		MCF5307a			√	1,2		√	1
		MCF5327 - Dragonfire			√	1,2		√	1
		MCF5328 - Dragonfire			√	1,2		√	1
		MCF5329 - Dragonfire			√	1,2		√	1
		MCF5372			√	1,2		√	1
		MCF5372L			√	1,2		√	1
		MCF5373			√	1,2		√	1
		MCF5373L			√	1,2		√	1
		MCF5407			√	1,2		√	1
		MCF5470			√	1,2		√	1
		MCF5471			√	1,2		√	1
		MCF5472			√	1,2		√	1
		MCF5473			√	1,2		√	1
		MCF5474			√	1,2		√	1
		MCF5475			√	1,2		√	1
		MCF5480			√	1,2		√	1
		MCF5481			√	1,2		√	1
		MCF5482			√	1,2		√	1
		MCF5483			√	1,2		√	1
		MCF5484			√	1,2		√	1
		MCF5485			√	1,2		√	1
		MCF54450			√	1		√	1
MCF54451			√	1		√	1		
MCF54452			√	1		√	1		
MCF54453			√	1		√	1		
MCF54454			√	1		√	1		
MCF54455			√	1		√	1		

√ Indicates a supported configuration

* Wind River Probe supports single-core / single-thread debug

1 Processor is also supported with Wind River ICE SX (Blue)

2 Processor is also supported by optional Wind River Trace when used with Wind River ICE SX

If you do not see your specific processor listed, please contact your Wind River sales representative to inquire about future device support

Intel Architecture Processors

Processor Family	Vendor	Processor	Workbench On-Chip Debugging ver. 3.2			On-Chip Debugging API ver. 3.9		
			ICE 2	Probe	Notes	ICE 2	Probe	Notes
Intel Atom	Intel	Atom Z500	Supported	single-thread		Supported	single-thread	
		Atom Z510	Supported	single-thread		Supported	single-thread	
		Atom Z515	Supported	single-thread		Supported	single-thread	
		Atom Z520	Supported	single-thread		Supported	single-thread	
		Atom Z530	Supported	single-thread		Supported	single-thread	
		Atom Z540	Supported	single-thread		Supported	single-thread	
		Atom Z550	Supported	single-thread		Supported	single-thread	
		Atom 230	Supported	single-thread		Supported	single-thread	
		Atom 330	Supported	single-thread		Supported	single-thread/core	
		Atom N270	Supported	single-thread		Supported	single-thread	
Core 2	Intel	Core 2 Duo T9400	Supported	single-thread		Supported	single-thread/core	
		Core 2 Duo L7400	Supported	single-thread		Supported	single-thread/core	
Xeon x55xx	Intel	Xeon x55xx	Supported	single-thread		Supported	single-thread/core	

1. Processor is also supported with Wind River ICE SX
 2. Processor is also supported by optional Wind River Trace when used with Wind River ICE SX
- *Wind River Probe supports single-core / single-thread debug

If you do not see your specific processor listed, please contact your Wind River sales representative to inquire about future device support

MIPS Architecture Processors (Part 1 of 3)

Processor Family	Vendor	Processor	Wind River Workbench On-Chip Debugging version 3.2				Wind River On-Chip Debugging API version 3.9		
			Wind River ICE 2	Wind River Trace 2	Wind River Probe*	Notes	Wind River ICE 2	Wind River Probe*	Notes
Altera 4kx	Altera	Altera MP32	√		√		√	√	
AMD AU1xxx	RMI	AU1000	√		√	1	√	√	1
		AU1300	√		√		√	√	
AMD AU12xx	RMI	AU1200	√		√	1	√	√	1
Broadcom MIPS32	Broadcom	BCM1100	√		√	1	√	√	1
Broadcom MIPS32		BCM1101	√		√	1	√	√	1
Broadcom MIPS32		BCM1103	√		√	1	√	√	1
Broadcom MIPS32		BCM1104	√		√	1	√	√	1
Broadcom MIPS32		BCM1112	√		√	1	√	√	1
Broadcom MIPS32		BCM1113	√		√	1	√	√	1
Broadcom MIPS32		BCM1113R	√		√	1	√	√	1
Broadcom MIPS32		BCM1115	√		√	1	√	√	1
Broadcom MIPS32		BCM1115R	√		√	1	√	√	1
Broadcom MIPS32		BCM1190	√		√	1	√	√	1
Broadcom MIPS32		BCM3349	√		√	1	√	√	1
Broadcom MIPS32		BCM3350	√		√	1	√	√	1
Broadcom MIPS32		BCM3351	√		√	1	√	√	1
Broadcom MIPS32		BCM3352	√		√	1	√	√	1
Broadcom MIPS32		BCM3360	√		√	1	√	√	1
Broadcom MIPS32		BCM3560	√		√	1	√	√	1
Broadcom MIPS32		BCM4704	√		√	1	√	√	1
Broadcom MIPS32		BCM4710	√		√	1	√	√	1
Broadcom MIPS32		BCM5365	√		√	1	√	√	1
Broadcom MIPS32		BCM56214	√		√	1	√	√	1
Broadcom MIPS32		BCM56218	√		√	1	√	√	1
Broadcom MIPS32		BCM5836	√		√	1	√	√	1
Broadcom MIPS32		BCM6348	√		√	1	√	√	1
Broadcom MIPS32		BCM6550A	√		√	1	√	√	1
Broadcom MIPS64		BCM7038	√		√	1	√	√	1
Broadcom MIPS32		BCM7100	√		√	1	√	√	1
Broadcom MIPS32		BCM7115	√		√	1	√	√	1
Broadcom MIPS32		BCM7312	√		√	1	√	√	1
Broadcom MIPS32		BCM7318	√		√	1	√	√	1
Broadcom MIPS64		BCM7320	√		√	1	√	√	1
Broadcom MIPS32		BCM7335	√		√	4	√	√	4
Broadcom MIPS32		BCM7400	√		√	1	√	√	1
Broadcom MIPS32	BCM7401	√		√	1	√	√	1	
Broadcom MIPS32	BCM7405	√		√	1	√	√	1	
Broadcom SiByte	Broadcom	BCM1122	√		√	1	√	√	1
		BCM1125	√		√	1	√	√	1
		BCM1125H	√		√	1	√	√	1
		BCM1250	√		√*	1	√	√*	1
		BCM1255	√		√*	1	√	√*	1
		BCM1280	√		√*	1	√	√*	1
		BCM1455	√		√*	1	√	√*	1
		BCM1480	√		√*	1	√	√*	1

- √ Indicates a supported configuration
- * Wind River Probe supports single-core / single-thread debug
- 1 Processor is also supported with Wind River ICE SX (Blue)
- 4 For this processor, support is limited to single-thread (main thread) debug

If you do not see your specific processor listed, please contact your Wind River sales representative to inquire about future device support

MIPS Architecture Processors (Part 2 of 3)

Processor Family	Vendor	Processor	Wind River Workbench On-Chip Debugging version 3.2				Wind River On-Chip Debugging API version 3.9		
			Wind River ICE 2	Wind River Trace 2	Wind River Probe*	Notes	Wind River ICE 2	Wind River Probe*	Notes
Cavium Octeon MIPS 64	Cavium	CN3005	√		√*	1	√	√*	1
		CN3010	√		√*	1	√	√*	1
		CN3110	√		√*	1	√	√*	1
		CN3120	√		√*	1	√	√*	1
		CN3630	√		√*	1	√	√*	1
		CN3830	√		√*	1	√	√*	1
		CN3840	√		√*	1	√	√*	1
		CN3850	√		√*	1	√	√*	1
		CN3860	√		√*	1	√	√*	1
		CN5010	√		√*	1	√	√*	1
		CN5020	√		√*	1	√	√*	1
		CN5220	√		√*	1	√	√*	1
		CN5230	√		√*	1	√	√*	1
		CN5434	√		√*	1	√	√*	1
		CN5440	√		√*	1	√	√*	1
		CN5534	√		√*	1	√	√*	1
		CN5540	√		√*	1	√	√*	1
		CN5640	√		√*	1	√	√*	1
		CN5645	√		√*	1	√	√*	1
		CN5650	√		√*	1	√	√*	1
		CN5740	√		√*	1	√	√*	1
		CN5745	√		√*	1	√	√*	1
		CN5750	√		√*	1	√	√*	1
		CN5830	√		√*	1	√	√*	1
		CN5840	√		√*	1	√	√*	1
		CN5850	√		√*	1	√	√*	1
CN5860	√		√*	1	√	√*	1		
MTI 4kx	MTI	4Kc	√		√	1	√	√	1
		4Km	√		√	1	√	√	1
		4Kp	√		√	1	√	√	1
		4KEc	√		√	1	√	√	1
MTI 5kx	MTI	5Kc	√		√	1	√	√	1
		5Kf	√		√	1	√	√	1
MTI 20kx	MTI	20kc	√		√	1	√	√	1
MTI 24kx	MTI	24kc	√		√	1	√	√	1
		24kf	√		√	1	√	√	1
	Wintegra	Winpath 2	√		√		√	√	
MTI 25kx	MTI	25kf	√		√	1	√	√	1
NEC VR41xx	NEC	VR4131	√		√	1	√	√	1
		VR4133	√		√	1	√	√	1
		VR4181A	√		√	1	√	√	1
NEC VR54xx	NEC	VR5432	√		√	1	√	√	1
NEC VR55xx	NEC	VR5500	√		√	1	√	√	1
		VR5500A	√		√	1	√	√	1
NEC VR77xx	NEC	VR7701	√		√	1	√	√	1

√ Indicates a supported configuration

* Wind River Probe supports single-core / single-thread debug

1 Processor is also supported with Wind River ICE SX (Up to 6 cores)

If you do not see your specific processor listed, please contact your Wind River sales representative to inquire about future device support

MIPS Architecture Processors (Part 3 of 3)

Processor Family	Vendor	Processor	Wind River Workbench On-Chip Debugging version 3.2				Wind River On-Chip Debugging API version 3.9		
			Wind River ICE 2	Wind River Trace 2	Wind River Probe*	Notes	Wind River ICE 2	Wind River Probe*	Notes
Philips PR19xx	Philips	PR1910	√		√	1	√	√	1
Philips PR39xx	Philips	PR3940	√		√	1	√	√	1
Philips PR44xx	Philips	PR4450	√		√	1	√	√	1
Philips PNX30xx	Philips	PNX3001	√		√	1	√	√	1
Philips PNX73xx	Philips	PNX7350	√		√	1	√	√	1
Philips PNX83xx	Philips	PNX8320	√		√	1	√	√	1
Philips PNX83xx	Philips	PNX8320	√		√	1	√	√	1
Philips PNX853x	Philips	PNX8535	√		√	1	√	√	1
Philips PNX855x	Philips	PNX8550	√		√	1	√	√	1
PMC-Sierra Rm7xxx	PMC-Sierra	RM7900	√		√	1	√	√	1
PMC-Sierra Rm9xxx	PMC-Sierra	RM9000	√		√	1	√	√	1
		RM9000X2	√		√	1	√	√	1
		RM9150	√		√	1	√	√	1
AMD AU1xxx	RMI	AU1000	√		√	1	√	√	1
		AU1300	√		√		√	√	
AMD AU12xx	RMI	AU1200	√		√	1	√	√	1
RMI XLR	RMI	XLR716	√		√*		√	√*	
RMI XLR		XLR732	√		√*		√	√*	
RMI XLS		XLS416	√		√*		√	√*	
RMI XLS		XLS616	√		√*		√	√*	
Toshiba Tx49xx	Toshiba	TX4925	√		√	1	√	√	1
		TX4927	√		√	1	√	√	1
		TX4955	√		√	1	√	√	1
MTI 24kx	MTI	24kc	√		√	1	√	√	1
		24kf	√		√	1	√	√	1
		Wintegra	Winpath 2	√		√		√	√

√ Indicates a supported configuration

* Wind River Probe supports single-core / single-thread debug

1 Processor is also supported with Wind River ICE SX (Blue)

If you do not see your specific processor listed, please contact your Wind River sales representative to inquire about future device support

PowerPC Architecture Processors (Part 1 of 5)

Processor Family	Vendor	Processor	Wind River Workbench On-Chip Debugging version 3.2				Wind River On-Chip Debugging API version 3.9			
			Wind River ICE 2	Wind River Trace 2	Wind River Probe*	Notes	Wind River ICE 2	Wind River Probe*	Notes	
IBM PPC40x	AMCC	405 (Generic)	√		√	1,2	√	√	1	
		PPC403GCx	√		√	1,2	√	√	1	
		PPC405CR	√		√	1,2	√	√	1	
		PPC405EP	√		√	1,2	√	√	1	
		PPC405EX	√		√	1,2	√	√	1	
		PPC405EXr	√		√	1,2	√	√	1	
		PPC405GP	√		√	1,2	√	√	1	
		PPC405GPr	√		√	1,2	√	√	1	
		NPE405L	√		√	1,2	√	√	1	
		NPE405H	√		√	1,2	√	√	1	
		PPC405PM	√		√	1,2	√	√	1	
		PPC405STB25xx	√		√	1,2	√	√	1	
		PPC405STB3	√		√	1,2	√	√	1	
		PPC405STB4	√		√	1,2	√	√	1	
		Xilinx	XC2VP-4	√		√	1,2	√	√	1
			XC2VP-7	√		√	1,2	√	√	1
	XC2VP-20		√		√*	1,2	√	√*	1	
	XC2VP-30		√		√*	1,2	√	√*	1	
	XC2VP-40		√		√*	1,2	√	√*	1	
	XC2VP-50		√		√*	1,2	√	√*	1	
	XC2VP-70		√		√*	1,2	√	√*	1	
	XC2VP-100		√		√*	1,2	√	√*	1	
	XC2VPX20		√		√	1,2	√	√	1	
	XC2VPX70		√		√*	1,2	√	√*	1	
	XC4VFX12		√		√	1,2	√	√	1	
	XC4VFX20		√		√	1,2	√	√	1	
	XC4VFX40		√		√*	1,2	√	√*	1	
	XC4VFX60		√		√*	1,2	√	√*	1	
	XC4VFX100		√		√*	1,2	√	√*	1	
	XC4VFX140		√		√*	1,2	√	√*	1	
	IBM PPC44x		AMCC	440 (Generic)	√		√	1,2	√	√
		PPC440GP		√		√	1,2	√	√	1
		PPC440GX		√		√	1,2	√	√	1
PPC440EP		√			√	1,2	√	√	1	
PPC440EPx		√			√	1,2	√	√	1	
PPC440SP		√			√	1,2	√	√	1	
PPC440GR		√			√	1,2	√	√	1	
PPC440GRx		√			√	1,2	√	√	1	
PPC440SPe		√			√	1,2	√	√	1	
Xilinx		XC5VFX30T		√		√	1,2	√	√	1
		XC5VFX70T	√		√	1,2	√	√	1	
		XC5VFX100T	√		√*	1,2	√	√*	1	
		XC5VFX130T	√		√*	1,2	√	√*	1	
XC5VFX200T		√		√*	1,2	√	√*	1		
IBM PPC46x	AMCC	PPC460EX	√		√	1	√	√	1	
		PPC460GT	√		√	1	√	√	1	
PA Semi PA6T	PA-Semi/Apple	PA6T-1682M	√		√*	1	√	√*	1	

√ Indicates a supported configuration

* Wind River Probe supports single-core / single-thread debug

1 Processor is also supported with Wind River ICE SX (Blue)

2 Processor is also supported by optional Wind River Trace when used with Wind River ICE SX

If you do not see your specific processor listed, please contact your Wind River sales representative to inquire about future device support

PowerPC Architecture Processors (Part 2 of 5)

Processor Family	Vendor	Processor	Wind River Workbench On-Chip Debugging version 3.2				Wind River On-Chip Debugging API version 3.9		
			Wind River ICE 2	Wind River Trace 2	Wind River Probe*	Notes	Wind River ICE 2	Wind River Probe*	Notes
Freescale PPC5xx (BDM Interface)	Freescale	MPC505			√	1		√	1
		MPC509			√	1		√	1
		MPC555			√	1		√	1
		MPC560			√	1		√	1
		MPC561			√	1		√	1
		MPC563			√	1		√	1
		MPC565			√	1		√	1
		MPC5121E	See Processor Family Freescale MPC83xx						
Freescale PPC52xx	Freescale	MPC5200	√		√	1	√	√	1
		MPC5200B	√		√	1	√	√	1
Freescale PPC55xx	Freescale	MPC5514E	√		√		√	√	
		MPC5514G	√		√		√	√	
		MPC5515S	√		√		√	√	
		MPC5516G	√		√		√	√	
		MPC5516E	√		√		√	√	
		MPC5516S	√		√		√	√	
		MPC5517G	√		√		√	√	
		MPC5517E	√		√		√	√	
		MPC5517S	√		√		√	√	
		MPC5533	√		√	1	√	√	1
		MPC5534	√		√	1	√	√	1
		MPC5554	√		√	1	√	√	1
		MPC5553	√		√	1	√	√	1
		MPC5565	√		√	1	√	√	1
		MPC5566	√		√	1	√	√	1
MPC5567	√		√	1	√	√	1		
Freescale MPC56xx	Freescale	MPC5602P	√		√		√	√	
		MPC5603P	√		√		√	√	
		MPC5604P	√		√		√	√	
Motorola/IBM PPC6xx	IBM	PPC603E	√		√	1	√	√	1
	Freescale	MPC603E	√		√	1	√	√	1
	IBM	PPC603P	√		√	1	√	√	1
	Freescale	MPC603P	√		√	1	√	√	1
	IBM	PPC603R	√		√	1	√	√	1
	Freescale	MPC603R	√		√	1	√	√	1
	IBM	PPCEC603	√		√	1	√	√	1
	Freescale	MPCEC603E	√		√	1	√	√	1
Motorola/IBM PPC7xx	IBM	PPC740	√		√	1	√	√	1
	Freescale	MPC740	√		√	1	√	√	1
	IBM	PPC745	√		√	1	√	√	1
	Freescale	MPC745	√		√	1	√	√	1
	IBM	PPC750	√		√	1	√	√	1
	Freescale	MPC750	√		√	1	√	√	1
	IBM	PPC755	√		√	1	√	√	1
	Freescale	MPC755	√		√	1	√	√	1
	IBM	PPC750CX	√		√	1	√	√	1
	IBM	PPC750CXe	√		√	1	√	√	1
	IBM	PPC750L	√		√	1	√	√	1
	IBM	PPC750FX	√		√	1	√	√	1
	IBM	PPC750GX	√		√	1	√	√	1
	IBM	PPC750GL	√		√	1	√	√	1
	IBM	PPC750FL	√		√	1	√	√	1
	IBM	PPC750CXr	√		√	1	√	√	1

√ Indicates a supported configuration

* Wind River Probe supports single-core / single-thread debug

1 Processor is also supported with Wind River ICE SX (Blue)

If you do not see your specific processor listed, please contact your Wind River sales representative to inquire about future device support

PowerPC Architecture Processors (Part 3 of 5)

Processor Family	Vendor	Processor	Wind River Workbench On-Chip Debugging version 3.2				Wind River On-Chip Debugging API version 3.9		
			Wind River ICE 2	Wind River Trace 2	Wind River Probe*	Notes	Wind River ICE 2	Wind River Probe*	Notes
Freescale MPC74xx	Freescale	MPC7400	√		√	1	√	√	1
		MPC7410	√		√	1	√	√	1
		MPC7440	√		√	1	√	√	1
		MPC7441	√		√	1	√	√	1
		MPC7445	√		√	1	√	√	1
		MPC7447	√		√	1	√	√	1
		MPC7447a	√		√	1	√	√	1
		MPC7448	√		√	1	√	√	1
		MPC7450	√		√	1	√	√	1
		MPC7451	√		√	1	√	√	1
		MPC7455	√		√	1	√	√	1
		MPC7457	√		√	1	√	√	1
		Freescale MPC8xx (BDM)	Freescale	MPC801			√	1	
MPC821					√	1		√	1
MPC823					√	1		√	1
MPC823E					√	1		√	1
MPC850					√	1		√	1
MPC850DC					√	1		√	1
MPC850DE					√	1		√	1
MPC850DH					√	1		√	1
MPC850DSL					√	1		√	1
MPC850SAR					√	1		√	1
MPC850SE					√	1		√	1
MPC852T					√	1		√	1
MPC855T					√	1		√	1
MPC857DSL					√	1		√	1
MPC857T					√	1		√	1
MPC859DSL					√	1		√	1
MPC859T					√	1		√	1
MPC860					√	1		√	1
MPC860DC					√	1		√	1
MPC860DE					√	1		√	1
MPC860DH					√	1		√	1
MPC860DP					√	1		√	1
MPC860DT					√	1		√	1
MPC860EN					√	1		√	1
MPC860MH					√	1		√	1
MPC860P					√	1		√	1
MPC860SAR					√	1		√	1
MPC860T					√	1		√	1
MPC862DP					√	1		√	1
MPC862DT					√	1		√	1
MPC862P					√	1		√	1
MPC862SR					√	1		√	1
MPC862T					√	1		√	1
MPC866T					√	1		√	1
MPC866P					√	1		√	1
MPC870			√	1		√	1		
MPC875			√	1		√	1		
MPC880			√	1		√	1		
MPC885			√	1		√	1		

√ Indicates a supported configuration

* Wind River Probe supports single-core / single-thread debug

1 Processor is also supported with Wind River ICE SX (Blue)

If you do not see your specific processor listed, please contact your Wind River sales representative to inquire about future device support

PowerPC Architecture Processors (Part 4 of 5)

Processor Family	Vendor	Processor	Wind River Workbench On-Chip Debugging version 3.2				Wind River On-Chip Debugging API version 3.9		
			Wind River ICE 2	Wind River Trace 2	Wind River Probe*	Notes	Wind River ICE 2	Wind River Probe*	Notes
Freescale MPC56xx	Freescale	MPC5602P	√		√		√	√	
	Freescale	MPC5603P	√		√		√	√	
	Freescale	MPC5604P	√		√		√	√	
	Freescale	MPC5606S	√		√		√	√	
	Freescale	MPC5607B	√		√		√	√	
	Freescale	MPC5607S	√		√		√	√	
	ST Micro	SPC560B50	√		√		√	√	
ST Micro	SPC560S60	√		√		√	√		
Freescale MPC82xx	Freescale	MPC8220	√		√	1	√	√	1
		MPC8240	√		√	1	√	√	1
		MPC8241	√		√	1	√	√	1
		MPC8245	√		√	1	√	√	1
		MPC8247	√		√	1	√	√	1
		MPC8248	√		√	1	√	√	1
		MPC8250	√		√	1	√	√	1
		MPC8255	√		√	1	√	√	1
		MPC8260	√		√	1	√	√	1
		MPC8264	√		√	1	√	√	1
		MPC8265	√		√	1	√	√	1
		MPC8266	√		√	1	√	√	1
		MPC8270	√		√	1	√	√	1
		MPC8271	√		√	1	√	√	1
		MPC8272	√		√	1	√	√	1
		MPC8275	√		√	1	√	√	1
MPC8280	√		√	1	√	√	1		
Freescale MPC83xx	Freescale	MPC8313	√		√	1	√	√	1
		MPC8313E	√		√	1	√	√	1
		MPC8314	√		√	1	√	√	1
		MPC8314E	√		√	1	√	√	1
		MPC8315	√		√	1	√	√	1
		MPC8315E	√		√	1	√	√	1
		MPC8321	√		√	1	√	√	1
		MPC8321E	√		√	1	√	√	1
		MPC8323	√		√	1	√	√	1
		MPC8323E	√		√	1	√	√	1
		MPC8343	√		√	1	√	√	1
		MPC8343E	√		√	1	√	√	1
		MPC8347	√		√	1	√	√	1
		MPC8347E	√		√	1	√	√	1
		MPC8349	√		√	1	√	√	1
		MPC8349E	√		√	1	√	√	1
		MPC8358	√		√	1	√	√	1
		MPC8358E	√		√	1	√	√	1
		MPC8360	√		√	1	√	√	1
		MPC8360E	√		√	1	√	√	1
		MPC8377	√		√	1	√	√	1
		MPC8377E	√		√	1	√	√	1
		MPC8378	√		√	1	√	√	1
MPC8378E	√		√	1	√	√	1		
MPC8379	√		√	1	√	√	1		
MPC8379E	√		√	1	√	√	1		
MPC5121E	√		√	1	√	√	1		

√ Indicates a supported configuration

* Wind River Probe supports single-core / single-thread debug

1 Processor is also supported with Wind River ICE SX (Blue)

If you do not see your specific processor listed, please contact your Wind River sales representative to inquire about future device support

PowerPC Architecture Processors (Part 5 of 5)

Processor Family	Vendor	Processor	Wind River Workbench On-Chip Debugging version 3.2				Wind River On-Chip Debugging API version 3.9		
			Wind River ICE 2	Wind River Trace 2	Wind River Probe*	Notes	Wind River ICE 2	Wind River Probe*	Notes
Freescale MPC85xx	Freescale	MPC8533	√		√	1	√	√	1
		MPC8533E	√		√	1	√	√	1
		MPC8536	√		√		√	√	
		MPC8536E	√		√		√	√	
		MPC8540	√		√	1	√	√	1
		MPC8541	√		√	1	√	√	1
		MPC8541	√		√	1	√	√	1
		MPC8543	√		√	1	√	√	1
		MPC8543E	√		√	1	√	√	1
		MPC8544	√		√	1	√	√	1
		MPC8544E	√		√	1	√	√	1
		MPC8545	√		√	1	√	√	1
		MPC8545E	√		√	1	√	√	1
		MPC8547	√		√	1	√	√	1
		MPC8547E	√		√	1	√	√	1
		MPC8548	√		√	1	√	√	1
		MPC8548E	√		√	1	√	√	1
		MPC8555	√		√	1	√	√	1
		MPC8555E	√		√	1	√	√	1
		MPC8560	√		√	1	√	√	1
		MPC8565	√		√	1	√	√	1
		MPC8565E	√		√	1	√	√	1
		MPC8567	√		√	1	√	√	1
		MPC8567E	√		√	1	√	√	1
		MPC8568	√		√	1	√	√	1
		MPC8568E	√		√	1	√	√	1
		MPC8569	√		√		√	√	
MPC8569E	√		√		√	√			
MPC8572	√		√	√*	1	√	√*	1	
MPC8572E	√		√	√*	1	√	√*	1	
Freescale MPC86xx	Freescale	MPC8610	√		√	1	√	√	1
		MPC8650	√		√*		√	√*	
		MPC8640D	√		√*		√	√*	
		MPC8641	√		√*	1	√	√*	1
		MPC8641D	√		√*	1	√	√*	1
Freescale QorIQ P2xxx	Freescale	QorIQ P2010	√		√*		√	√*	
		QorIQ P2010E	√		√*		√	√*	
		QorIQ P2020	√		√*		√	√*	
		QorIQ P2020E	√		√*		√	√*	
Freescale QorIQ P4xxx	Freescale	QorIQ P4080	√		√*	5	√	√*	

√ Indicates a supported configuration

* Wind River Probe supports single-core / single-thread debug

1 Processor is also supported with Wind River ICE SX (Blue)

5 Please contact Wind River for more details on external high-speed trace support for QorIQ P4080

If you do not see your specific processor listed, please contact your Wind River sales representative to inquire about future device support

XScale Processors

Processor Family	Vendor	Processor	Wind River Workbench On-Chip Debugging version 3.2				Wind River On-Chip Debugging API version 3.9		
			Wind River ICE 2	Wind River Trace 2	Wind River Probe*	Notes	Wind River ICE 2	Wind River Probe*	Notes
IXP4xx	Intel	IXP420			√	1		√	1
		IXP421			√	1		√	1
		IXP422			√	1		√	1
		IXP425			√	1		√	1
		IXP450			√	1		√	1
		IXP451			√	1		√	1
		IXP452			√	1		√	1
		IXP455			√	1		√	1
		IXP460			√	1		√	1
IXP465			√	1		√	1		
IXP2xxx	Intel	IXP2325			√	1		√	1
		IXP2350			√	1		√	1
		IXP2351			√	1		√	1
		IXP2400			√	1		√	1
		IXP2401			√	1		√	1
		IXP2800			√	1		√	1
		IXP2801			√	1		√	1
		IXP2850			√	1		√	1
		IXP2851			√	1		√	1
IOP	Intel	IOP310			√	1		√	1
		IOP321			√	1		√	1
		IOP331			√	1		√	1
		IOP333			√	1		√	1
		IOP341			√	1		√	1
		IOP342			√*	1		√*	1
		IOP348			√	1		√	1
Marvell PXA2xx	Marvell	PXA210			√	1		√	1
		PXA250			√	1		√	1
		PXA255			√	1		√	1
		PXA270			√	1		√	1
Marvell PXA3xx	Marvell	PXA300			√	1		√	1
		PXA310			√	1		√	1
		PXA320			√	1		√	1

√ Indicates a supported configuration

* Wind River Probe supports single-core / single-thread debug

1 Processor is also supported with Wind River ICE SX (Blue)

If you do not see your specific processor listed, please contact your Wind River sales representative to inquire about future device support