

**Wind River On-Chip Debugging  
Processor Support List  
(Processor Availability Matrix – PAM)  
December 2011  
Revision 6.0**

**Software Products**

**Workbench On-Chip Debugging 3.3.2  
On-Chip Debugging API 3.9.6**

**Hardware Products**

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

# Introduction

Wind River On-Chip Debugging is a portfolio of products for JTAG-based debugging that support a wide range of processors 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 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](http://www.windriver.com) or by contacting your local Wind River sales representative. Below is a glossary of terms helpful when using this document.

|   |   |
|---|---|
| <b>Wind River Workbench On-Chip Debugging</b> | A comprehensive standards-based integrated development environment for developing and debugging JTAG, EJTAG and BDM based targets with a Wind River JTAG debug unit.  |
| <b>Wind River ICE 2</b>                       | A high-performance, multicore-capable debug unit supporting JTAG, EJTAG, and BDM based devices for a wide range of processors based on ARM, ColdFire, Intel, MIPS, and PowerPC architectures. Wind River ICE 2 is network based.  |
| <b>Wind River Probe</b>                       | An entry-level debug unit supporting JTAG, EJTAG, 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.  |
| <b>Wind River Trace 2</b>                     | An optional hardware unit providing an external trace buffer for the Wind River ICE 2. This unit supports certain processors which provide external trace buffer support.   |
| <b>Wind River ICE SX</b>                      | First introduced in 2002, the Wind River ICE SX sometimes referred to as the Wind River ICE is now transitioning to the End-of-Life Phase. The Wind River ICE SX is being replaced by the Wind River ICE 2. Please note that versions of Wind River Workbench On-Chip Debugging 3.3 and later and On-Chip Debugging API 3.9.4 and later do not support the Wind River ICE SX. |
| <b>Wind River Trace</b>                       | An optional hardware unit designed to provide an external trace buffer for the Wind River ICE SX is now transitioning to the End-of-Life Phase. Please note that versions of Wind River Workbench On-Chip Debugging 3.3 and later and On-Chip Debugging API 3.9.4 and later do not support the Wind River Trace.  |
| <b>Processor Family</b>                       | 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.  |

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# ARM-based Processors (Part 1 of 2)

| Processor Family                                     | Vendor     | Processor              | Wind River Workbench<br>On-Chip Debugging version 3.3.2 |                    |                   |       | Wind River On-Chip Debugging<br>API version 3.9.6 |                   |       |
|--|------------|------------------------|---|--------------------|-------------------|-------|---|-------------------|-------|
|  |            |                        | Wind River ICE 2  | Wind River Trace 2 | Wind River Probe* | Notes | Wind River ICE 2                                  | Wind River Probe* | Notes |
| <b>ARM9</b>  | ARM (IP)   | ARM9TDMI               | √   |                    | √                 |       | √   | √                 |       |
|  |            | ARM920T                | √   | √                  | √                 |       | √   | √                 |       |
|  |            | ARM922T                | √   |                    | √                 |       | √   | √                 |       |
|  |            | ARM940T                | √   | √                  | √                 |       | √   | √                 |       |
|  |            | ARM926EJ-S             | √   |                    | √                 |       | √   | √                 |       |
|  |            | ARM946ES               | √   | √                  | √                 |       | √   | √                 |       |
|  | Atmel      | Excalibur              | √   |                    | √                 |       | √   | √                 |       |
|  | Micrel     | KS8695PX               | √   |                    | √                 |       | √   | √                 |       |
|  | Mindspeed  | M82515                 | √   |                    | √                 |       | √   | √                 |       |
|  | NEC        | MP201                  | √   |                    | √                 |       | √   | √                 |       |
| Oxford   | OXETHU954  | √                      |   | √                  |                   | √     | √   |                   |       |
| <b>ARM11</b>   | ARM (IP)   | ARM1136                | √   |                    | √                 | 5     | √   | √                 | 5     |
|  |            | ARM1136 JFS            | √   |                    | √                 | 5     | √   | √                 | 5     |
|  |            | ARM1176 JZ(F)-S        | √   |                    | √                 | 5     | √   | √                 | 5     |
|  |            | MPCORE                 | √   |                    | √*                | 5     | √   | √*                | 5     |
|  | NEC        | Medy2                  | √   |                    | √                 | 5     | √   | √                 | 5     |
| <b>ARM Cortex M3</b>                                 | Luminary   | LM3S801                | √   |                    | √                 |       | √   | √                 |       |
| <b>ARM Cortex A8</b>                                 | ARM (IP)   | CORTEXA8               | √   |                    | √                 |       | √   | √                 |       |
| <b>ARM Cortex A9</b>                                 | ARM        | Core Tile Express A9x4 | √   |                    | √                 |       | √   | √                 |       |
|  | STMicro    | SPEAr1310              | √   |                    | √                 |       | √   | √                 |       |
| <b>Atmel AT9x</b>                                    | Atmel      | AT91RM9200             | √   | √                  | √                 |       | √   | √                 |       |
|  |            | AT91SAM9260            | √   |                    | √                 |       | √   | √                 |       |
|  |            | AT91SAM9261            | √   | √                  | √                 |       | √   | √                 |       |
| <b>Cavium Econa 11xx and 21xx</b>                    | Cavium     | CNS1102                | √   |                    | √                 |       | √   | √                 |       |
|  |            | CNS1104                | √   |                    | √                 |       | √   | √                 |       |
|  |            | CNS1105                | √   |                    | √                 |       | √   | √                 |       |
|  |            | CNS2131                | √   |                    | √                 |       | √   | √                 |       |
|  |            | CNS2132                | √   |                    | √                 |       | √   | √                 |       |
|  |            | CNS2133                | √   |                    | √                 |       | √   | √                 |       |
|  |            | CNS2181                | √   |                    | √                 |       | √   | √                 |       |
|  |            | CNS2182                | √   |                    | √                 |       | √   | √                 |       |
| <b>Cavium Econa 34xx</b>                             | Cavium     | <b>Econa CNS3410</b>   | √   |                    | √*                | 5,6   | √   | √*                | 5,6   |
|  |            | <b>Econa CNS3411</b>   | √   |                    | √*                | 5,6   | √   | √*                | 5,6   |
|  |            | <b>Econa CNS3420</b>   | √   |                    | √*                | 5,6   | √   | √*                | 5,6   |
| <b>Freescal e iMX9</b>                               | Freescal e | i.MX1                  | √   | √                  | √                 |       | √   | √                 |       |
|  |            | i.MXL                  | √   | √                  | √                 |       | √   | √                 |       |
|  |            | i.MXS                  | √   | √                  | √                 |       | √   | √                 |       |
|  |            | i.MX21                 | √   |                    | √                 |       | √   | √                 |       |
|  |            | i.MX27                 | √   | √                  | √                 |       | √   | √                 |       |
| <b>Freescal e i.MX25</b>                             | Freescal e | i.MX25                 | √   | √                  | √                 |       | √   | √                 |       |
| <b>Freescal e i.MX31</b><br><b>Freescal e i.MX35</b> | Freescal e | i.MX31                 | √   |                    | √                 |       | √   | √                 |       |
|  |            | i.MX35                 | √   |                    | √                 |       | √   | √                 |       |
| <b>Freescal e i.MX51</b>                             | Freescal e | i.MX51                 | √   |                    | √                 |       | √   | √                 |       |
| <b>Marvell MV88F5x</b>                               | Marvell    | MV88F5181              | √   |                    | √                 |       | √   | √                 |       |
|  |            | MV88F5281              | √   |                    | √                 |       | √   | √                 |       |
|  |            | PXA168                 | √   |                    | √                 |       | √   | √                 |       |
| <b>TI Davinci DM64XX</b>                             | TI         | TMS320DM6441           | √   |                    | √                 |       | √   | √                 |       |
|  |            | TMS320DM6443           | √   |                    | √                 |       | √   | √                 |       |
|  |            | TMS320DM6446           | √   |                    | √                 |       | √   | √                 |       |

√ Indicates a supported configuration

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

1 For this processor, support is limited to single-thread (main thread) debug

2 Please contact Wind River for more details on external high-speed trace support for QorIQ P4040/P4080

3 Flash programming not supported at this time

4 For RMI XLR/XLS processors ICE 2 supports up to 8 cores/threads

5 SMP kernels not supported

6 Requires Workbench On-Chip Debugging 3.3.2 (Orderable) or Workbench On-Chip Debugging 3.3/3.3.1 with Update Pack 2 (Electronic Update)

7 Flash programming requires Workbench On-Chip Debugging 3.3.1 or later version

8 Supports reference board identified as HAMLET 0xRH7 006-101121-003 Rev B.

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

## ARM-based Processors (Part 2 of 2)

| Processor Family | Vendor    | Processor | Wind River Workbench On-Chip Debugging version 3.3.2 |                    |                   |       | Wind River On-Chip Debugging API version 3.9.6 |                   |       |
|------------------|-----------|-----------|--|--------------------|-------------------|-------|--|-------------------|-------|
|                  |           |           | Wind River ICE 2                                     | Wind River Trace 2 | Wind River Probe* | Notes | Wind River ICE 2                               | Wind River Probe* | Notes |
| TI OMAPL1xx      | TI        | OMAPL138  | √  |                    | √                 |       | √  | √                 |       |
| TI OMAP24xx      | TI        | OMAP2430  | √  |                    | √                 |       | √  | √                 |       |
| TI OMAP34xx      | TI        | OMAP3410  | √  |                    | √                 |       | √  | √                 |       |
|                  |           | OMAP3420  | √  |                    | √                 |       | √  | √                 |       |
|                  |           | OMAP3430  | √  |                    | √                 |       | √  | √                 |       |
| TI OMAP35xx      | TI Sitara | AM3503    | √  |                    | √                 | 6     | √  | √                 | 6     |
|                  |           | AM3517    | √  |                    | √                 | 6     | √  | √                 | 6     |
|                  |           | AM3703    | √  |                    | √                 | 6     | √  | √                 | 6     |
|                  |           | AM3717    | √  |                    | √                 | 6     | √  | √                 | 6     |
|                  | TI        | OMAP3503  | √  |                    | √                 |       | √  | √                 |       |
|                  |           | OMAP3505  | √  |                    | √                 |       | √  | √                 |       |
|                  |           | OMAP3515  | √  |                    | √                 |       | √  | √                 |       |
|                  |           | OMAP3517  | √  |                    | √                 |       | √  | √                 |       |
|                  |           | OMAP3525  | √  |                    | √                 |       | √  | √                 |       |
|                  |           | OMAP3530  | √  |                    | √                 |       | √  | √                 |       |
|                  |           | OMAP3630  | √  |                    | √                 |       | √  | √                 |       |
| OMAP3730         | √         |           | √  |                    | √                 | √     |  |                   |       |
| TI OMAP44xx      | TI        | OMAP4430  | √  |                    | √                 | 6     | √  | √                 | 6     |

√ Indicates a supported configuration

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

1 For this processor, support is limited to single-thread (main thread) debug

2 Please contact Wind River for more details on external high-speed trace support for QorIQ P4040/P4080

3 Flash programming not supported at this time

4 For RMI XLR/XLS processors ICE 2 supports up to 8 cores/threads

5 SMP kernels not supported

6 Requires Workbench On-Chip Debugging 3.3.2 (Orderable) or Workbench On-Chip Debugging 3.3/3.3.1 with Update Pack 2 (Electronic Update)

7 Flash programming requires Workbench On-Chip Debugging 3.3.1 or later version

8 Supports reference board identified as HAMLET 0xRH7 006-101121-003 Rev B.

# ColdFire Processors (Part 1 of 2)

| Processor Family  | Vendor    | Processor         | Wind River Workbench On-Chip Debugging version 3.3.2 |                    |                   |       | Wind River On-Chip Debugging API version 3.9.6 |                   |       |
|-------------------|-----------|-------------------|--|--------------------|-------------------|-------|--|-------------------|-------|
|                   |           |                   | Wind River ICE 2                                     | Wind River Trace 2 | Wind River Probe* | Notes | Wind River ICE 2                               | Wind River Probe* | Notes |
| Freescale MCF5xxx | Freescale | MCF5202           | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5204           | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5206           | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5206E          | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5207 - Mini-me | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5208 - Mini-me | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5211           | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5212           | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5213           | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5214           | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5216           | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF52100          | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF52110          | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF52210          | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF52211          | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF52212          | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF52213          | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF52221          | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF52223          | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF52230          | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF52231          | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF52232          | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF52233          | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF52234          | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF52235          | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF52236          | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5232           | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5233           | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5234           | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5235           | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5249           | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5249L          | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5250           | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5251           | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5253           | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5270           | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5271           | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5272           | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5274           | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5274L          | √  |                    | √                 |       | √  | √                 |       |
| MCF5275           | √         |                   | √  |                    | √                 | √     |  |                   |       |
| MCF5275L          | √         |                   | √  |                    | √                 | √     |  |                   |       |
| MCF5280           | √         |                   | √  |                    | √                 | √     |  |                   |       |
| MCF5281           | √         |                   | √  |                    | √                 | √     |  |                   |       |
| MCF5282           | √         |                   | √  |                    | √                 | √     |  |                   |       |

√ Indicates a supported configuration

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

1 For this processor, support is limited to single-thread (main thread) debug

2 Please contact Wind River for more details on external high-speed trace support for QorIQ P4040/P4080

3 Flash programming not supported at this time

4 For RMI XLR/XLS processors ICE 2 supports up to 8 cores/threads

5 SMP kernels not supported

6 Requires Workbench On-Chip Debugging 3.3.2 (Orderable) or Workbench On-Chip Debugging 3.3/3.3.1 with Update Pack 2 (Electronic Update)

7 Flash programming requires Workbench On-Chip Debugging 3.3.1 or later version

8 Supports reference board identified as HAMLET 0xRH7 006-101121-003 Rev B.

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 3.3.2 |                    |                   |       | Wind River On-Chip Debugging API version 3.9.6 |                   |       |
|-------------------|-----------|----------------------|--|--------------------|-------------------|-------|--|-------------------|-------|
|                   |           |                      | Wind River ICE 2                                     | Wind River Trace 2 | Wind River Probe* | Notes | Wind River ICE 2                               | Wind River Probe* | Notes |
| Freescale MCF5xxx | Freescale | MCF5307              | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5307a             | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5327 - Dragonfire | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5328 - Dragonfire | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5329 - Dragonfire | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5372              | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5372L             | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5373              | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5373L             | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5407              | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5470              | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5471              | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5472              | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5473              | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5474              | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5475              | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5480              | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5481              | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5482              | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5483              | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5484              | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF5485              | √  |                    | √                 |       | √  | √                 |       |
|                   |           | MCF54450             | √  |                    | √                 |       | √  | √                 |       |
| MCF54451          | √         |                      | √  |                    | √                 | √     |  |                   |       |
| MCF54452          | √         |                      | √  |                    | √                 | √     |  |                   |       |
| MCF54453          | √         |                      | √  |                    | √                 | √     |  |                   |       |
| MCF54454          | √         |                      | √  |                    | √                 | √     |  |                   |       |
| MCF54455          | √         |                      | √  |                    | √                 | √     |  |                   |       |

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3 Flash programming not supported at this time

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5 SMP kernels not supported

6 Requires Workbench On-Chip Debugging 3.3.2 (Orderable) or Workbench On-Chip Debugging 3.3/3.3.1 with Update Pack 2 (Electronic Update)

7 Flash programming requires Workbench On-Chip Debugging 3.3.1 or later version

8 Supports reference board identified as HAMLET 0xRH7 006-101121-003 Rev B.

# Intel Architecture Processors

| Processor Family  | Vendor | Processor          | Wind River Workbench On-Chip Debugging version 3.3.2 |                    |                   |       | Wind River On-Chip Debugging API version 3.9.6 |                   |       |
|-------------------|--------|--------------------|--|--------------------|-------------------|-------|--|-------------------|-------|
|                   |        |                    | Wind River ICE 2                                     | Wind River Trace 2 | Wind River Probe* | Notes | Wind River ICE 2                               | Wind River Probe* | Notes |
| <b>Intel Atom</b> | Intel  | Atom 230           | √  |                    | √*                | 3     |  | √*                | 3     |
|                   |        | Atom 330           | √  |                    | √*                | 3     | √  | √*                | 3     |
|                   |        | Atom CE4100        | √  |                    | √*                | 3     | √  | √*                | 3     |
|                   |        | <b>Atom CE4200</b> | √  |                    | √*                | 3,6   | √  | √*                | 3,6   |
|                   |        | Atom D410          | √  |                    | √*                |       | √  | √*                |       |
|                   |        | Atom D510          | √  |                    | √*                |       | √  | √*                |       |
|                   |        | Atom E6xx          | √  |                    | √*                |       | √  | √*                |       |
|                   |        | Atom N270          | √  |                    | √*                |       |  | √*                |       |
|                   |        | Atom N450          | √  |                    | √*                |       |  | √*                |       |
|                   |        | Atom Z500          | √  |                    | √*                | 3     | √  | √*                | 3     |
|                   |        | Atom Z510          | √  |                    | √*                | 3     | √  | √*                | 3     |
|                   |        | Atom Z515          | √  |                    | √*                | 3     | √  | √*                | 3     |
|                   |        | Atom Z520          | √  |                    | √*                | 3     | √  | √*                | 3     |
|                   |        | Atom Z530          | √  |                    | √*                | 3     | √  | √*                | 3     |
|                   |        | Atom Z540          | √  |                    | √*                | 3     | √  | √*                | 3     |
| Atom Z550         | √      |                    | √*   | 3                  | √                 | √*    | 3  |                   |       |
| <b>Core 2</b>     | Intel  | Core 2 Duo T9400   | √  |                    | √*                | 3     | √  | √*                | 3     |
|                   |        | Core 2 Duo L7400   | √  |                    | √*                | 3     | √  | √*                | 3     |
| <b>Core i7</b>    | Intel  | Core i3-21xx       | √  |                    | √*                |       | √  | √*                |       |
|                   |        | Core i3-330E       | √  |                    | √*                |       | √  | √*                |       |
|                   |        | Core i5-2xxx       | √  |                    | √*                |       | √  | √*                |       |
|                   |        | Core i5-520E       | √  |                    | √*                |       | √  | √*                |       |
|                   |        | Core i5-520M       | √  |                    | √*                |       | √  | √*                |       |
|                   |        | Core i7-26xx       | √  |                    | √*                |       | √  | √*                |       |
|                   |        | Core i7-610E       | √  |                    | √*                |       | √  | √*                |       |
|                   |        | Core i7-620LE      | √  |                    | √*                |       | √  | √*                |       |
|                   |        | Core i7-620M       | √  |                    | √*                |       | √  | √*                |       |
| Core i7-620UE     | √      |                    | √*   |                    | √                 | √*    |  |                   |       |
| <b>Xeon x55xx</b> | Intel  | Xeon x55xx         | √  |                    | √*                |       | √  | √*                |       |
|                   |        | Xeon LC55xx        | √  |                    | √*                |       | √  | √*                |       |
|                   |        | Xeon EC55xx        | √  |                    | √*                |       | √  | √*                |       |
|                   |        | Xeon LC35xx        | √  |                    | √*                |       | √  | √*                |       |
|                   |        | Xeon EC35xx        | √  |                    | √*                |       | √  | √*                |       |
|                   |        | Xeon E5-16xx       | √  |                    | √*                |       | √  | √*                |       |
|                   |        | Xeon E5-24xx       | √  |                    | √*                |       | √  | √*                |       |
|                   |        | Xeon E5-26xx       | √  |                    | √*                |       | √  | √*                |       |
|                   |        | Xeon E5-46xx       | √  |                    | √*                |       | √  | √*                |       |

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3 Flash programming not supported at this time

4 For RMI XLR/XLS processors ICE 2 supports up to 8 cores/threads

5 SMP kernels not supported

6 Requires Workbench On-Chip Debugging 3.3.2 (Orderable) or Workbench On-Chip Debugging 3.3/3.3.1 with Update Pack 2 (Electronic Update)

7 Flash programming requires Workbench On-Chip Debugging 3.3.1 or later version

8 Supports reference board identified as HAMLET 0xRH7 006-101121-003 Rev B.

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<br>On-Chip Debugging<br>version 3.3.2 |                       |                      |       | Wind River<br>On-Chip Debugging API<br>version 3.9.6 |                      |       |
|------------------------|----------------|-------------|--|-----------------------|----------------------|-------|--|----------------------|-------|
|                        |                |             | Wind River<br>ICE 2  | Wind River<br>Trace 2 | Wind River<br>Probe* | Notes | Wind River<br>ICE 2                                  | Wind River<br>Probe* | Notes |
| <b>Altera 4kx</b>      | Altera         | Altera MP32 | ✓  |                       | ✓                    |       | ✓  | ✓                    |       |
| <b>AMD AU1xxx</b>      | Netlogic (RMI) | AU1000      | ✓  |                       | ✓                    |       | ✓  | ✓                    |       |
|                        |                | AU1200      | ✓  |                       | ✓                    |       | ✓  | ✓                    |       |
|                        |                | AU1300      | ✓  |                       | ✓                    |       | ✓  | ✓                    |       |
| <b>Broadcom MIPS32</b> | Broadcom       | BCM1100     | ✓  |                       | ✓                    |       | ✓  | ✓                    |       |
|                        |                | BCM1101     | ✓  |                       | ✓                    |       | ✓  | ✓                    |       |
|                        |                | BCM1103     | ✓  |                       | ✓                    |       | ✓  | ✓                    |       |
|                        |                | BCM1104     | ✓  |                       | ✓                    |       | ✓  | ✓                    |       |
|                        |                | BCM1112     | ✓  |                       | ✓                    |       | ✓  | ✓                    |       |
|                        |                | BCM1113     | ✓  |                       | ✓                    |       | ✓  | ✓                    |       |
|                        |                | BCM1113R    | ✓  |                       | ✓                    |       | ✓  | ✓                    |       |
|                        |                | BCM1115     | ✓  |                       | ✓                    |       | ✓  | ✓                    |       |
|                        |                | BCM1115R    | ✓  |                       | ✓                    |       | ✓  | ✓                    |       |
|                        |                | BCM1190     | ✓  |                       | ✓                    |       | ✓  | ✓                    |       |
|                        |                | BCM3349     | ✓  |                       | ✓                    |       | ✓  | ✓                    |       |
|                        |                | BCM3350     | ✓  |                       | ✓                    |       | ✓  | ✓                    |       |
|                        |                | BCM3351     | ✓  |                       | ✓                    |       | ✓  | ✓                    |       |
|                        |                | BCM3352     | ✓  |                       | ✓                    |       | ✓  | ✓                    |       |
|                        |                | BCM3360     | ✓  |                       | ✓                    |       | ✓  | ✓                    |       |
|                        |                | BCM3560     | ✓  |                       | ✓                    |       | ✓  | ✓                    |       |
|                        |                | BCM4704     | ✓  |                       | ✓                    |       | ✓  | ✓                    |       |
|                        |                | BCM4710     | ✓  |                       | ✓                    |       | ✓  | ✓                    |       |
|                        |                | BCM5365     | ✓  |                       | ✓                    |       | ✓  | ✓                    |       |
|                        |                | BCM56214    | ✓  |                       | ✓                    |       | ✓  | ✓                    |       |
|                        |                | BCM56218    | ✓  |                       | ✓                    |       | ✓  | ✓                    |       |
|                        |                | BCM5836     | ✓  |                       | ✓                    |       | ✓  | ✓                    |       |
|                        |                | BCM6345     | ✓  |                       | ✓                    |       | ✓  | ✓                    |       |
|                        |                | BCM6348     | ✓  |                       | ✓                    |       | ✓  | ✓                    |       |
|                        |                | BCM6550A    | ✓  |                       | ✓                    |       | ✓  | ✓                    |       |
|                        |                | BCM7100     | ✓  |                       | ✓                    |       | ✓  | ✓                    |       |
|                        |                | BCM7115     | ✓  |                       | ✓                    |       | ✓  | ✓                    |       |
|                        |                | BCM7312     | ✓  |                       | ✓                    |       | ✓  | ✓                    |       |
| BCM7318                | ✓              |             | ✓  |                       | ✓                    | ✓     |  |                      |       |
| BCM7335                | ✓              |             | ✓  | 1                     | ✓                    | ✓     | 1  |                      |       |
| BCM7400                | ✓              |             | ✓  |                       | ✓                    | ✓     |  |                      |       |
| BCM7401                | ✓              |             | ✓  |                       | ✓                    | ✓     |  |                      |       |
| BCM7405                | ✓              |             | ✓  |                       | ✓                    | ✓     |  |                      |       |
| <b>Broadcom MIPS64</b> | Broadcom       | BCM7038     | ✓  |                       | ✓                    |       | ✓  | ✓                    |       |
|                        |                | BCM7320     | ✓  |                       | ✓                    |       | ✓  | ✓                    |       |
| <b>Broadcom SiByte</b> | Broadcom       | BCM1122     | ✓  |                       | ✓                    |       | ✓  | ✓                    |       |
|                        |                | BCM1125     | ✓  |                       | ✓                    |       | ✓  | ✓                    |       |
|                        |                | BCM1125H    | ✓  |                       | ✓                    |       | ✓  | ✓                    |       |
|                        |                | BCM1250     | ✓  |                       | ✓*                   |       | ✓  | ✓*                   |       |
|                        |                | BCM1255     | ✓  |                       | ✓*                   |       | ✓  | ✓*                   |       |
|                        |                | BCM1280     | ✓  |                       | ✓*                   |       | ✓  | ✓*                   |       |
|                        |                | BCM1455     | ✓  |                       | ✓*                   |       | ✓  | ✓*                   |       |
|                        |                | BCM1480     | ✓  |                       | ✓*                   |       | ✓  | ✓*                   |       |

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7 Flash programming requires Workbench On-Chip Debugging 3.3.1 or later version

8 Supports reference board identified as HAMLET 0xRH7 006-101121-003 Rev B.

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# MIPS Architecture Processors (Part 2 of 3)

| Processor Family                       | Vendor            | Processor             | Wind River Workbench<br>On-Chip Debugging<br>version 3.3.2 |                          |                         |       | Wind River<br>On-Chip Debugging API<br>version 3.9.6 |                         |       |
|--|-------------------|-----------------------|--|--------------------------|-------------------------|-------|--|-------------------------|-------|
|  |                   |                       | Wind<br>River<br>ICE 2                                     | Wind<br>River<br>Trace 2 | Wind<br>River<br>Probe* | Notes | Wind<br>River<br>ICE 2                               | Wind<br>River<br>Probe* | Notes |
| <b>Cavium Octeon CN3xxx and CN5xxx</b> | Cavium            | CN3005                | √  |                          | √*                      |       | √  | √*                      |       |
|  |                   | CN3010                | √  |                          | √*                      |       | √  | √*                      |       |
|  |                   | CN3110                | √  |                          | √*                      |       | √  | √*                      |       |
|  |                   | CN3120                | √  |                          | √*                      |       | √  | √*                      |       |
|  |                   | CN3630                | √  |                          | √*                      |       | √  | √*                      |       |
|  |                   | CN3830                | √  |                          | √*                      |       | √  | √*                      |       |
|  |                   | CN3840                | √  |                          | √*                      |       | √  | √*                      |       |
|  |                   | CN3850                | √  |                          | √*                      |       | √  | √*                      |       |
|  |                   | CN3860                | √  |                          | √*                      |       | √  | √*                      |       |
|  |                   | CN5010                | √  |                          | √*                      |       | √  | √*                      |       |
|  |                   | CN5020                | √  |                          | √*                      |       | √  | √*                      |       |
|  |                   | CN5220                | √  |                          | √*                      |       | √  | √*                      |       |
|  |                   | CN5230                | √  |                          | √*                      |       | √  | √*                      |       |
|  |                   | CN5430                | √  |                          | √*                      |       | √  | √*                      |       |
|  |                   | CN5434                | √  |                          | √*                      |       | √  | √*                      |       |
|  |                   | CN5530                | √  |                          | √*                      |       | √  | √*                      |       |
|  |                   | CN5534                | √  |                          | √*                      |       | √  | √*                      |       |
|  |                   | CN5640                | √  |                          | √*                      |       | √  | √*                      |       |
|  |                   | CN5645                | √  |                          | √*                      |       | √  | √*                      |       |
|  |                   | CN5650                | √  |                          | √*                      |       | √  | √*                      |       |
|  |                   | CN5740                | √  |                          | √*                      |       | √  | √*                      |       |
|  |                   | CN5745                | √  |                          | √*                      |       | √  | √*                      |       |
|  |                   | CN5750                | √  |                          | √*                      |       | √  | √*                      |       |
| CN5830                                 | √                 |                       | √*   |                          | √                       | √*    |  |                         |       |
| CN5840                                 | √                 |                       | √*   |                          | √                       | √*    |  |                         |       |
| CN5850                                 | √                 |                       | √*   |                          | √                       | √*    |  |                         |       |
| CN5860                                 | √                 |                       | √*   |                          | √                       | √*    |  |                         |       |
| <b>Cavium Octeon 2 CN6xxx</b>          | Cavium            | <b>CN6320</b>         | √  |                          | √                       | 6     | √  | √                       | 6     |
|  |                   | <b>CN6330</b>         | √  |                          | √                       | 6     | √  | √                       | 6     |
|  |                   | <b>CN6335</b>         | √  |                          | √                       | 6     | √  | √                       | 6     |
|  |                   | <b>CN6860</b>         | √  |                          | √                       | 6     | √  | √                       | 6     |
|  |                   | <b>CN6870</b>         | √  |                          | √                       | 6     | √  | √                       | 6     |
|  |                   | <b>CN6880</b>         | √  |                          | √                       | 6     | √  | √                       | 6     |
| <b>MTI 4kx</b>                         | MTI               | 4Kc                   | √  |                          | √                       |       | √  | √                       |       |
|  |                   | 4Km                   | √  |                          | √                       |       | √  | √                       |       |
|  |                   | 4Kp                   | √  |                          | √                       |       | √  | √                       |       |
|  |                   | 4KEc                  | √  |                          | √                       |       | √  | √                       |       |
| <b>MTI 5kx</b>                         | MTI               | 5Kc                   | √  |                          | √                       |       | √  | √                       |       |
|  |                   | 5Kf                   | √  |                          | √                       |       | √  | √                       |       |
| <b>MTI 20kx</b>                        | MTI               | 20kc                  | √  |                          | √                       |       | √  | √                       |       |
| <b>MTI 24kx</b>                        | MTI               | 24kc                  | √  |                          | √                       |       | √  | √                       |       |
|  |                   | 24kf                  | √  |                          | √                       |       | √  | √                       |       |
|  |                   | Wintegra<br>Winpath 2 | √  |                          | √                       |       | √  | √                       |       |
| <b>MTI 25kx</b>                        | MTI               | 25kf                  | √  |                          | √                       |       | √  | √                       |       |
| <b>MTI 74kx</b>                        | Broadcom          | BCM5300x              | √  |                          | √                       |       | √  | √                       |       |
|  | <b>Broadlight</b> | <b>BL23570R</b>       | √  |                          | √                       | 6     | √  | √                       | 6     |
| <b>NEC VR41xx</b>                      | NEC               | VR4131                | √  |                          | √                       |       | √  | √                       |       |
|  |                   | VR4133                | √  |                          | √                       |       | √  | √                       |       |
|  |                   | VR4181A               | √  |                          | √                       |       | √  | √                       |       |
| <b>NEC VR54xx</b>                      | NEC               | VR5432                | √  |                          | √                       |       | √  | √                       |       |

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# MIPS Architecture Processors (Part 3 of 3)

| Processor Family  | Vendor         | Processor      | Wind River Workbench On-Chip Debugging version 3.3.2 |                    |                   |       | Wind River On-Chip Debugging API version 3.9.6 |                   |       |   |  |
|-------------------|----------------|----------------|--|--------------------|-------------------|-------|--|-------------------|-------|---|--|
|                   |                |                | Wind River ICE 2                                     | Wind River Trace 2 | Wind River Probe* | Notes | Wind River ICE 2                               | Wind River Probe* | Notes |   |  |
| NEC VR55xx        | NEC            | VR5500         | √  |                    | √                 |       | √  | √                 |       |   |  |
|                   |                | VR5500A        | √  |                    | √                 |       | √  | √                 |       |   |  |
| NEC VR77xx        | NEC            | VR7701         | √  |                    | √                 |       | √  | √                 |       |   |  |
| Philips PR19xx    | Philips        | PR1910         | √  |                    | √                 |       | √  | √                 |       |   |  |
| Philips PR39xx    | Philips        | PR3940         | √  |                    | √                 |       | √  | √                 |       |   |  |
| Philips PR44xx    | Philips        | PR4450         | √  |                    | √                 |       | √  | √                 |       |   |  |
| Philips PNX30xx   | Philips        | PNX3001        | √  |                    | √                 |       | √  | √                 |       |   |  |
| Philips PNX73xx   | Philips        | PNX7350        | √  |                    | √                 |       | √  | √                 |       |   |  |
| Philips PNX83xx   | Philips        | PNX8320        | √  |                    | √                 |       | √  | √                 |       |   |  |
| Philips PNX85xx   | Philips        | PNX8525        | √  |                    | √                 |       | √  | √                 |       |   |  |
|                   |                | PNX8526        | √  |                    | √                 |       | √  | √                 |       |   |  |
| Philips PNX855x   | Philips        | PNX8550        | √  |                    | √                 |       | √  | √                 |       |   |  |
| PMC-Sierra Rm7xxx | PMC-Sierra     | RM7900         | √  |                    | √                 |       | √  | √                 |       |   |  |
| PMC-Sierra Rm9xxx | PMC-Sierra     | RM9000X2       | √  |                    | √                 |       | √  | √                 |       |   |  |
|                   |                | RM9150         | √  |                    | √                 |       | √  | √                 |       |   |  |
| RMI XLR           | Netlogic (RMI) | XLR508         | √  |                    | √*                | 4     | √  | √*                | 4     |   |  |
|                   |                | XLR516         | √  |                    | √*                | 4     | √  | √*                | 4     |   |  |
|                   |                | XLR532         | √  |                    | √*                | 4     | √  | √*                | 4     |   |  |
|                   |                | XLR716         | √  |                    | √*                | 4     | √  | √*                | 4     |   |  |
|                   |                | XLR732         | √  |                    | √*                | 4     | √  | √*                | 4     |   |  |
|                   |                | XLS104         | √  |                    | √*                | 4     | √  | √*                | 4     |   |  |
| RMI XLS           | Netlogic (RMI) | XLS108         | √  |                    | √*                | 4     | √  | √*                | 4     |   |  |
|                   |                | XLS204         | √  |                    | √*                | 4     | √  | √*                | 4     |   |  |
|                   |                | XLS208         | √  |                    | √*                | 4     | √  | √*                | 4     |   |  |
|                   |                | XLS404         | √  |                    | √*                | 4     | √  | √*                | 4     |   |  |
|                   |                | XLS408         | √  |                    | √*                | 4     | √  | √*                | 4     |   |  |
|                   |                | XLS416         | √  |                    | √*                | 4     | √  | √*                | 4     |   |  |
|                   |                | XLS608         | √  |                    | √*                | 4     | √  | √*                | 4     |   |  |
|                   |                | XLS616         | √  |                    | √*                | 4     | √  | √*                | 4     |   |  |
|                   |                | Toshiba Tx49xx | Toshiba  | TX4925             | √                 |       | √  |                   | √     | √ |  |
|                   |                |                |  | TX4927             | √                 |       | √  |                   | √     | √ |  |
| TX4955            | √              |                |  |                    | √                 |       | √  | √                 |       |   |  |

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# PowerPC Architecture Processors (Part 2 of 5)

| Processor Family                           | Vendor    | Processor              | Wind River Workbench On-Chip Debugging version 3.3.2 |                    |                   |        | Wind River On-Chip Debugging API version 3.9.6 |                   |       |
|--|-----------|------------------------|--|--------------------|-------------------|--------|--|-------------------|-------|
|  |           |                        | Wind River ICE 2                                     | Wind River Trace 2 | Wind River Probe* | Notes  | Wind River ICE 2                               | Wind River Probe* | Notes |
| <b>Freescale PPC5xx</b><br>(BDM Interface) | Freescale | MPC505                 | √  |                    | √                 |        | √  | √                 |       |
|  |           | MPC509                 | √  |                    | √                 |        | √  | √                 |       |
|  |           | MPC555                 | √  |                    | √                 |        | √  | √                 |       |
|  |           | MPC560                 | √  |                    | √                 |        | √  | √                 |       |
|  |           | MPC561                 | √  |                    | √                 |        | √  | √                 |       |
|  |           | MPC563<br>MPC565       | √<br>√   |                    | √<br>√            |        | √<br>√   | √<br>√            |       |
| <b>Freescale MPC52xx</b>                   | Freescale | MPC5200                | √  |                    | √                 |        | √  | √                 |       |
|  |           | MPC5200B               | √  |                    | √                 |        | √  | √                 |       |
| <b>Freescale MPC55xx</b>                   | Freescale | MPC5514E               | √  |                    | √                 |        | √  | √                 |       |
|  |           | MPC5514G               | √  |                    | √                 |        | √  | √                 |       |
|  |           | MPC5515S               | √  |                    | √                 |        | √  | √                 |       |
|  |           | MPC5516G               | √  |                    | √                 |        | √  | √                 |       |
|  |           | MPC5516E               | √  |                    | √                 |        | √  | √                 |       |
|  |           | MPC5516S               | √  |                    | √                 |        | √  | √                 |       |
|  |           | MPC5517G               | √  |                    | √                 |        | √  | √                 |       |
|  |           | MPC5517E               | √  |                    | √                 |        | √  | √                 |       |
|  |           | MPC5517S               | √  |                    | √                 |        | √  | √                 |       |
|  |           | MPC5533                | √  |                    | √                 |        | √  | √                 |       |
|  |           | MPC5534                | √  |                    | √                 |        | √  | √                 |       |
|  |           | MPC5554                | √  |                    | √                 |        | √  | √                 |       |
|  |           | MPC5553                | √  |                    | √                 |        | √  | √                 |       |
|  |           | MPC5565                | √  |                    | √                 |        | √  | √                 |       |
| MPC5566<br>MPC5567                         | √<br>√    |                        | √<br>√   |                    | √<br>√            | √<br>√ |  |                   |       |
| <b>Freescale MPC56xx</b>                   | Freescale | MPC5602P               | √  |                    | √                 |        | √  | √                 |       |
|  |           | MPC5603P               | √  |                    | √                 |        | √  | √                 |       |
|  |           | MPC5604P               | √  |                    | √                 |        | √  | √                 |       |
|  |           | MPC5606S               | √  |                    | √                 |        | √  | √                 |       |
|  |           | MPC5607B               | √  |                    | √                 |        | √  | √                 |       |
|  |           | MPC5607S               | √  |                    | √                 |        | √  | √                 |       |
|  |           | MPC5674                | √  |                    | √                 |        | √  | √                 |       |
|  | ST Micro  | SPC560B40              | √  |                    | √                 |        | √  | √                 |       |
|  |           | SPC560B50<br>SPC560S60 | √<br>√   |                    | √<br>√            |        | √<br>√   | √<br>√            |       |
| <b>Motorola/IBM PPC6xx</b>                 | IBM       | PPC603E                | √  |                    | √                 |        | √  | √                 |       |
|  | Freescale | MPC603E                | √  |                    | √                 |        | √  | √                 |       |
|  | IBM       | PPC603P                | √  |                    | √                 |        | √  | √                 |       |
|  | Freescale | MPC603P                | √  |                    | √                 |        | √  | √                 |       |
|  | IBM       | PPC603R                | √  |                    | √                 |        | √  | √                 |       |
|  | Freescale | MPC603R                | √  |                    | √                 |        | √  | √                 |       |
|  | IBM       | PPCEC603               | √  |                    | √                 |        | √  | √                 |       |
|  | Freescale | MPCEC603E              | √  |                    | √                 |        | √  | √                 |       |
| <b>Motorola/IBM PPC7xx</b>                 | IBM       | PPC740                 | √  |                    | √                 |        | √  | √                 |       |
|  | Freescale | MPC740                 | √  |                    | √                 |        | √  | √                 |       |
|  | IBM       | PPC745                 | √  |                    | √                 |        | √  | √                 |       |
|  | Freescale | MPC745                 | √  |                    | √                 |        | √  | √                 |       |
|  | IBM       | PPC750                 | √  |                    | √                 |        | √  | √                 |       |
|  | Freescale | MPC750                 | √  |                    | √                 |        | √  | √                 |       |
|  | IBM       | PPC755                 | √  |                    | √                 |        | √  | √                 |       |
|  | Freescale | MPC755                 | √  |                    | √                 |        | √  | √                 |       |
|  | IBM       | PPC750CX               | √  |                    | √                 |        | √  | √                 |       |
|  | IBM       | PPC750CXe              | √  |                    | √                 |        | √  | √                 |       |
|  | IBM       | PPC750L                | √  |                    | √                 |        | √  | √                 |       |
|  | IBM       | PPC750FX               | √  |                    | √                 |        | √  | √                 |       |
|  | IBM       | PPC750GX               | √  |                    | √                 |        | √  | √                 |       |
|  | IBM       | PPC750GL               | √  |                    | √                 |        | √  | √                 |       |
|  | IBM       | PPC750FL               | √  |                    | √                 |        | √  | √                 |       |
|  | IBM       | PPC750Xr               | √  |                    | √                 |        | √  | √                 |       |

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3 Flash programming not supported at this time

4 For RMI XLR/XLS processors ICE 2 supports up to 8 cores/threads

5 SMP kernels not supported

6 Requires Workbench On-Chip Debugging 3.3.2 (Orderable) or Workbench On-Chip Debugging 3.3/3.3.1 with Update Pack 2 (Electronic Update)

7 Flash programming requires Workbench On-Chip Debugging 3.3.1 or later version

8 Supports reference board identified as HAMLET 0xRH7 006-101121-003 Rev B.

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<br>On-Chip Debugging<br>version 3.3.2 |                          |                         |       | Wind River<br>On-Chip Debugging API<br>version 3.9.6 |                         |       |
|-------------------|-----------|---------------------------|--|--------------------------|-------------------------|-------|--|-------------------------|-------|
|                   |           |                           | Wind<br>River<br>ICE 2                                     | Wind<br>River<br>Trace 2 | Wind<br>River<br>Probe* | Notes | Wind<br>River<br>ICE 2                               | Wind<br>River<br>Probe* | Notes |
| Freescale MPC74xx | Freescale | MPC7400                   | √  |                          | √                       |       | √  | √                       |       |
|                   |           | MPC7410                   | √  |                          | √                       |       | √  | √                       |       |
|                   |           | MPC7440                   | √  |                          | √                       |       | √  | √                       |       |
|                   |           | MPC7441                   | √  |                          | √                       |       | √  | √                       |       |
|                   |           | MPC7445                   | √  |                          | √                       |       | √  | √                       |       |
|                   |           | MPC7447                   | √  |                          | √                       |       | √  | √                       |       |
|                   |           | MPC7447a                  | √  |                          | √                       |       | √  | √                       |       |
|                   |           | MPC7448                   | √  |                          | √                       |       | √  | √                       |       |
|                   |           | MPC7450                   | √  |                          | √                       |       | √  | √                       |       |
|                   |           | MPC7451                   | √  |                          | √                       |       | √  | √                       |       |
|                   |           | MPC7455                   | √  |                          | √                       |       | √  | √                       |       |
|                   |           | MPC7457                   | √  |                          | √                       |       | √  | √                       |       |
|                   |           | Freescale MPC8xx<br>(BDM) | Freescale  | MPC801                   | √                       |       | √  |                         | √     |
| MPC821            | √         |                           |  |                          | √                       |       | √  | √                       |       |
| MPC823            | √         |                           |  |                          | √                       |       | √  | √                       |       |
| MPC823E           | √         |                           |  |                          | √                       |       | √  | √                       |       |
| MPC850            | √         |                           |  |                          | √                       |       | √  | √                       |       |
| MPC850DC          | √         |                           |  |                          | √                       |       | √  | √                       |       |
| MPC850DE          | √         |                           |  |                          | √                       |       | √  | √                       |       |
| MPC850DH          | √         |                           |  |                          | √                       |       | √  | √                       |       |
| MPC850DSL         | √         |                           |  |                          | √                       |       | √  | √                       |       |
| MPC850SAR         | √         |                           |  |                          | √                       |       | √  | √                       |       |
| MPC850SE          | √         |                           |  |                          | √                       |       | √  | √                       |       |
| MPC852T           | √         |                           |  |                          | √                       |       | √  | √                       |       |
| MPC855T           | √         |                           |  |                          | √                       |       | √  | √                       |       |
| MPC857DSL         | √         |                           |  |                          | √                       |       | √  | √                       |       |
| MPC857T           | √         |                           |  |                          | √                       |       | √  | √                       |       |
| MPC859DSL         | √         |                           |  |                          | √                       |       | √  | √                       |       |
| MPC859T           | √         |                           |  |                          | √                       |       | √  | √                       |       |
| MPC860            | √         |                           |  |                          | √                       |       | √  | √                       |       |
| MPC860DC          | √         |                           |  |                          | √                       |       | √  | √                       |       |
| MPC860DE          | √         |                           |  |                          | √                       |       | √  | √                       |       |
| MPC860DH          | √         |                           |  |                          | √                       |       | √  | √                       |       |
| MPC860DP          | √         |                           |  |                          | √                       |       | √  | √                       |       |
| MPC860DT          | √         |                           |  |                          | √                       |       | √  | √                       |       |
| MPC860EN          | √         |                           |  |                          | √                       |       | √  | √                       |       |
| MPC860MH          | √         |                           |  |                          | √                       |       | √  | √                       |       |
| MPC860P           | √         |                           |  |                          | √                       |       | √  | √                       |       |
| MPC860SAR         | √         |                           |  |                          | √                       |       | √  | √                       |       |
| MPC860T           | √         |                           |  |                          | √                       |       | √  | √                       |       |
| MPC862DP          | √         |                           |  |                          | √                       |       | √  | √                       |       |
| MPC862DT          | √         |                           |  |                          | √                       |       | √  | √                       |       |
| MPC862P           | √         |                           |  |                          | √                       |       | √  | √                       |       |
| MPC862SR          | √         |                           |  |                          | √                       |       | √  | √                       |       |
| MPC862T           | √         |                           |  |                          | √                       |       | √  | √                       |       |
| MPC866T           | √         |                           | √  |                          | √                       | √     |  |                         |       |
| MPC866P           | √         |                           | √  |                          | √                       | √     |  |                         |       |
| MPC870            | √         |                           | √  |                          | √                       | √     |  |                         |       |
| MPC875            | √         |                           | √  |                          | √                       | √     |  |                         |       |
| MPC880            | √         |                           | √  |                          | √                       | √     |  |                         |       |
| MPC885            | √         |                           | √  |                          | √                       | √     |  |                         |       |

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# PowerPC Architecture Processors (Part 4 of 5)

| Processor Family         | Vendor    | Processor | Wind River Workbench On-Chip Debugging version 3.3.2 |                    |                   |       | Wind River On-Chip Debugging API version 3.9.6 |                   |       |
|--------------------------|-----------|-----------|--|--------------------|-------------------|-------|--|-------------------|-------|
|                          |           |           | Wind River ICE 2                                     | Wind River Trace 2 | Wind River Probe* | Notes | Wind River ICE 2                               | Wind River Probe* | Notes |
| <b>Freescale MPC82xx</b> | Freescale | MPC8220   | √  |                    | √                 |       | √  | √                 |       |
|                          |           | MPC8240   | √  |                    | √                 |       | √  | √                 |       |
|                          |           | MPC8241   | √  |                    | √                 |       | √  | √                 |       |
|                          |           | MPC8245   | √  |                    | √                 |       | √  | √                 |       |
|                          |           | MPC8247   | √  |                    | √                 |       | √  | √                 |       |
|                          |           | MPC8248   | √  |                    | √                 |       | √  | √                 |       |
|                          |           | MPC8250   | √  |                    | √                 |       | √  | √                 |       |
|                          |           | MPC8255   | √  |                    | √                 |       | √  | √                 |       |
|                          |           | MPC8260   | √  |                    | √                 |       | √  | √                 |       |
|                          |           | MPC8264   | √  |                    | √                 |       | √  | √                 |       |
|                          |           | MPC8265   | √  |                    | √                 |       | √  | √                 |       |
|                          |           | MPC8266   | √  |                    | √                 |       | √  | √                 |       |
|                          |           | MPC8270   | √  |                    | √                 |       | √  | √                 |       |
|                          |           | MPC8271   | √  |                    | √                 |       | √  | √                 |       |
|                          |           | MPC8272   | √  |                    | √                 |       | √  | √                 |       |
|                          |           | MPC8275   | √  |                    | √                 |       | √  | √                 |       |
| MPC8280                  | √         |           | √  |                    | √                 | √     |  |                   |       |
| <b>Freescale MPC83xx</b> | Freescale | MPC8308   | √  |                    | √                 |       | √  | √                 |       |
|                          |           | MPC8313   | √  |                    | √                 |       | √  | √                 |       |
|                          |           | MPC8313E  | √  |                    | √                 |       | √  | √                 |       |
|                          |           | MPC8314   | √  |                    | √                 |       | √  | √                 |       |
|                          |           | MPC8314E  | √  |                    | √                 |       | √  | √                 |       |
|                          |           | MPC8315   | √  |                    | √                 |       | √  | √                 |       |
|                          |           | MPC8315E  | √  |                    | √                 |       | √  | √                 |       |
|                          |           | MPC8321   | √  |                    | √                 |       | √  | √                 |       |
|                          |           | MPC8321E  | √  |                    | √                 |       | √  | √                 |       |
|                          |           | MPC8323   | √  |                    | √                 |       | √  | √                 |       |
|                          |           | MPC8323E  | √  |                    | √                 |       | √  | √                 |       |
|                          |           | MPC8343   | √  |                    | √                 |       | √  | √                 |       |
|                          |           | MPC8343E  | √  |                    | √                 |       | √  | √                 |       |
|                          |           | MPC8347   | √  |                    | √                 |       | √  | √                 |       |
|                          |           | MPC8347E  | √  |                    | √                 |       | √  | √                 |       |
|                          |           | MPC8349   | √  |                    | √                 |       | √  | √                 |       |
|                          |           | MPC8349E  | √  |                    | √                 |       | √  | √                 |       |
|                          |           | MPC8358   | √  |                    | √                 |       | √  | √                 |       |
|                          |           | MPC8358E  | √  |                    | √                 |       | √  | √                 |       |
|                          |           | MPC8360   | √  |                    | √                 |       | √  | √                 |       |
|                          |           | MPC8360E  | √  |                    | √                 |       | √  | √                 |       |
|                          |           | MPC8377   | √  |                    | √                 |       | √  | √                 |       |
|                          |           | MPC8377E  | √  |                    | √                 |       | √  | √                 |       |
| MPC8378                  | √         |           | √  |                    | √                 | √     |  |                   |       |
| MPC8378E                 | √         |           | √  |                    | √                 | √     |  |                   |       |
| MPC8379                  | √         |           | √  |                    | √                 | √     |  |                   |       |
| MPC8379E                 | √         |           | √  |                    | √                 | √     |  |                   |       |
| MPC5121E                 | √         |           | √  |                    | √                 | √     |  |                   |       |
| <b>MPC5125</b>           | √         |           | √  |                    | 6                 | √     | √  | 6                 |       |
| <b>Freescale MPC85xx</b> | Freescale | MPC8533   | √  |                    | √                 |       | √  | √                 |       |
|                          |           | MPC8533E  | √  |                    | √                 |       | √  | √                 |       |
|                          |           | MPC8535   | √  |                    | √                 |       | √  | √                 |       |
|                          |           | MPC8535E  | √  |                    | √                 |       | √  | √                 |       |
|                          |           | MPC8536   | √  |                    | √                 |       | √  | √                 |       |
|                          |           | MPC8536E  | √  |                    | √                 |       | √  | √                 |       |

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# PowerPC Architecture Processors (Part 5 of 5)

| Processor Family             | Vendor    | Processor           | Wind River Workbench On-Chip Debugging version 3.3.2 |                    |                   |                | Wind River On-Chip Debugging API version 3.9.6 |                   |       |
|------------------------------|-----------|---------------------|--|--------------------|-------------------|----------------|--|-------------------|-------|
|                              |           |                     | Wind River ICE 2                                     | Wind River Trace 2 | Wind River Probe* | Notes          | Wind River ICE 2                               | Wind River Probe* | Notes |
| <b>Freescale MPC85xx</b>     | Freescale | MPC8540             | √  |                    | √                 |                | √  | √                 |       |
|                              |           | MPC8541             | √  |                    | √                 |                | √  | √                 |       |
|                              |           | MPC8541E            | √  |                    | √                 |                | √  | √                 |       |
|                              |           | MPC8543             | √  |                    | √                 |                | √  | √                 |       |
|                              |           | MPC8543E            | √  |                    | √                 |                | √  | √                 |       |
|                              |           | MPC8544             | √  |                    | √                 |                | √  | √                 |       |
|                              |           | MPC8544E            | √  |                    | √                 |                | √  | √                 |       |
|                              |           | MPC8545             | √  |                    | √                 |                | √  | √                 |       |
|                              |           | MPC8545E            | √  |                    | √                 |                | √  | √                 |       |
|                              |           | MPC8547             | √  |                    | √                 |                | √  | √                 |       |
|                              |           | MPC8547E            | √  |                    | √                 |                | √  | √                 |       |
|                              |           | MPC8548             | √  |                    | √                 |                | √  | √                 |       |
|                              |           | MPC8548E            | √  |                    | √                 |                | √  | √                 |       |
|                              |           | MPC8555             | √  |                    | √                 |                | √  | √                 |       |
|                              |           | MPC8555E            | √  |                    | √                 |                | √  | √                 |       |
|                              |           | MPC8560             | √  |                    | √                 |                | √  | √                 |       |
|                              |           | MPC8565             | √  |                    | √                 |                | √  | √                 |       |
|                              |           | MPC8565E            | √  |                    | √                 |                | √  | √                 |       |
|                              |           | MPC8567             | √  |                    | √                 |                | √  | √                 |       |
|                              |           | MPC8567E            | √  |                    | √                 |                | √  | √                 |       |
|                              |           | MPC8568             | √  |                    | √                 |                | √  | √                 |       |
|                              |           | MPC8568E            | √  |                    | √                 |                | √  | √                 |       |
| MPC8569                      | √         |                     | √  |                    | √                 | √              |  |                   |       |
| MPC8569E                     | √         |                     | √  |                    | √                 | √              |  |                   |       |
| MPC8572                      | √         |                     | √ <sup>6</sup>                                       |                    | √                 | √ <sup>6</sup> |  |                   |       |
| MPC8572E                     | √         |                     | √ <sup>6</sup>                                       |                    | √                 | √ <sup>6</sup> |  |                   |       |
| <b>Freescale MPC86xx</b>     | Freescale | MPC8610             | √  |                    | √                 |                | √  | √                 |       |
|                              |           | MPC8640             | √  |                    | √ <sup>6</sup>    |                | √  | √                 |       |
|                              |           | MPC8640D            | √  |                    | √ <sup>6</sup>    |                | √  | √ <sup>6</sup>    |       |
|                              |           | MPC8641             | √  |                    | √ <sup>6</sup>    |                | √  | √ <sup>6</sup>    |       |
|                              |           | MPC8641D            | √  |                    | √ <sup>6</sup>    |                | √  | √ <sup>6</sup>    |       |
| <b>Freescale QorIQ P1xxx</b> | Freescale | QorIQ P1011         | √  |                    | √ <sup>6</sup>    |                | √  | √ <sup>6</sup>    |       |
|                              |           | QorIQ P1011E        | √  |                    | √ <sup>6</sup>    |                | √  | √ <sup>6</sup>    |       |
|                              |           | <b>QorIQ P1012</b>  | √  |                    | √ <sup>6</sup>    | 6              | √  | √ <sup>6</sup>    | 6     |
|                              |           | <b>QorIQ P1012E</b> | √  |                    | √ <sup>6</sup>    | 6              | √  | √ <sup>6</sup>    | 6     |
|                              |           | QorIQ P1013         | √  |                    | √ <sup>6</sup>    |                | √  | √ <sup>6</sup>    |       |
|                              |           | QorIQ P1013E        | √  |                    | √ <sup>6</sup>    |                | √  | √ <sup>6</sup>    |       |
|                              |           | QorIQ P1020         | √  |                    | √ <sup>6</sup>    |                | √  | √ <sup>6</sup>    |       |
|                              |           | QorIQ P1020E        | √  |                    | √ <sup>6</sup>    |                | √  | √ <sup>6</sup>    |       |
|                              |           | QorIQ P1021         | √  |                    | √ <sup>6</sup>    | 7              | √  | √ <sup>6</sup>    | 7     |
|                              |           | QorIQ P1021E        | √  |                    | √ <sup>6</sup>    | 7              | √  | √ <sup>6</sup>    | 7     |
|                              |           | QorIQ P1022         | √  |                    | √ <sup>6</sup>    |                | √  | √ <sup>6</sup>    |       |
|                              |           | QorIQ P1022E        | √  |                    | √ <sup>6</sup>    |                | √  | √ <sup>6</sup>    |       |
| <b>Freescale QorIQ P2xxx</b> | Freescale | QorIQ P2010         | √  |                    | √ <sup>6</sup>    |                | √  | √ <sup>6</sup>    |       |
|                              |           | QorIQ P2010E        | √  |                    | √ <sup>6</sup>    |                | √  | √ <sup>6</sup>    |       |
|                              |           | QorIQ P2020         | √  |                    | √ <sup>6</sup>    |                | √  | √ <sup>6</sup>    |       |
|                              |           | QorIQ P2020E        | √  |                    | √ <sup>6</sup>    |                | √  | √ <sup>6</sup>    |       |
| <b>Freescale QorIQ P3xxx</b> | Freescale | <b>QorIQ P3041</b>  | √  |                    | √ <sup>6</sup>    | 6              | √  | √ <sup>6</sup>    | 6     |
|                              |           | <b>QorIQ P3041E</b> | √  |                    | √ <sup>6</sup>    | 6              | √  | √ <sup>6</sup>    | 6     |
| <b>Freescale QorIQ P4xxx</b> | Freescale | QorIQ P4040         | √  |                    | √ <sup>6</sup>    | 2              | √  | √ <sup>6</sup>    |       |
|                              |           | QorIQ P4040E        | √  |                    | √ <sup>6</sup>    | 2              | √  | √ <sup>6</sup>    |       |
|                              |           | QorIQ P4080         | √  |                    | √ <sup>6</sup>    | 2              | √  | √ <sup>6</sup>    |       |
|                              |           | QorIQ P4080E        | √  |                    | √ <sup>6</sup>    | 2              | √  | √ <sup>6</sup>    |       |
| <b>Freescale QorIQ P5xxx</b> | Freescale | <b>QorIQ P5020</b>  | √  |                    | √ <sup>6</sup>    | 6              | √  | √ <sup>6</sup>    | 6     |
|                              |           | <b>QorIQ P5020E</b> | √  |                    | √ <sup>6</sup>    | 6              | √  | √ <sup>6</sup>    | 6     |

√ Indicates a supported configuration

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

1 For this processor, support is limited to single-thread (main thread) debug

2 Please contact Wind River for more details on external high-speed trace support for QorIQ P4040/P4080

3 Flash programming not supported at this time

4 For RMI XLR/XLS processors ICE 2 supports up to 8 cores/threads

5 SMP kernels not supported

6 Requires Workbench On-Chip Debugging 3.3.2 (Orderable) or Workbench On-Chip Debugging 3.3/3.3.1 with Update Pack 2 (Electronic Update)

7 Flash programming requires Workbench On-Chip Debugging 3.3.1 or later version

8 Supports reference board identified as HAMLET 0xRH7 006-101121-003 Rev B.

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 3.3.2 |                    |                   |       | Wind River On-Chip Debugging API version 3.9.6 |                   |       |
|------------------|---------|-----------|--|--------------------|-------------------|-------|--|-------------------|-------|
|                  |         |           | Wind River ICE 2                                     | Wind River Trace 2 | Wind River Probe* | Notes | Wind River ICE 2                               | Wind River Probe* | Notes |
| IXP4xx           | Intel   | IXP420    |  |                    | √                 |       |  | √                 |       |
|                  |         | IXP421    |  |                    | √                 |       |  | √                 |       |
|                  |         | IXP422    |  |                    | √                 |       |  | √                 |       |
|                  |         | IXP425    |  |                    | √                 |       |  | √                 |       |
|                  |         | IXP450    |  |                    | √                 |       |  | √                 |       |
|                  |         | IXP451    |  |                    | √                 |       |  | √                 |       |
|                  |         | IXP452    |  |                    | √                 |       |  | √                 |       |
|                  |         | IXP455    |  |                    | √                 |       |  | √                 |       |
|                  |         | IXP460    |  |                    | √                 |       |  | √                 |       |
| IXP465           |         |           | √  |                    |                   | √     |  |                   |       |
| IXP2xxx          | Intel   | IXP2325   |  |                    | √                 |       |  | √                 |       |
|                  |         | IXP2350   |  |                    | √                 |       |  | √                 |       |
|                  |         | IXP2351   |  |                    | √                 |       |  | √                 |       |
|                  |         | IXP2400   |  |                    | √                 |       |  | √                 |       |
|                  |         | IXP2401   |  |                    | √                 |       |  | √                 |       |
|                  |         | IXP2800   |  |                    | √                 |       |  | √                 |       |
|                  |         | IXP2801   |  |                    | √                 |       |  | √                 |       |
|                  |         | IXP2850   |  |                    | √                 |       |  | √                 |       |
|                  |         | IXP2851   |  |                    | √                 |       |  | √                 |       |
| IOP              | Intel   | IOP310    |  |                    | √                 |       |  | √                 |       |
|                  |         | IOP321    |  |                    | √                 |       |  | √                 |       |
|                  |         | IOP331    |  |                    | √                 |       |  | √                 |       |
|                  |         | IOP333    |  |                    | √                 |       |  | √                 |       |
|                  |         | IOP341    |  |                    | √                 |       |  | √                 |       |
|                  |         | IOP342    |  |                    | √                 |       |  | √                 |       |
|                  |         | IOP348    |  |                    | √                 |       |  | √                 |       |
| Marvell PXA2xx   | Marvell | PXA210    |  |                    | √                 |       |  | √                 |       |
|                  |         | PXA250    |  |                    | √                 |       |  | √                 |       |
|                  |         | PXA255    |  |                    | √                 |       |  | √                 |       |
|                  |         | PXA270    |  |                    | √                 |       |  | √                 |       |
| Marvell PXA3xx   | Marvell | PXA300    |  |                    | √                 |       |  | √                 |       |
|                  |         | PXA310    |  |                    | √                 |       |  | √                 |       |
|                  |         | PXA320    |  |                    | √                 |       |  | √                 |       |

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