

<b>Product Change Notification</b>		<b>Date</b> February 27, 2024
<b>Product</b>	Digi Embedded Yocto Release 4.0-r5 (dey-4.0-r5)	

**Reason for Change**

<input type="checkbox"/> Technical Requirement	<input type="checkbox"/> Product Transition
<input type="checkbox"/> Customer Requirement	<input type="checkbox"/> Product Discontinuation
<input type="checkbox"/> Quality Improvement	<input checked="" type="checkbox"/> <b>Product Enhancement</b>
	<input type="checkbox"/> Other

<b>Description of Change</b>	<p>Digi Embedded Yocto version 4.0-r5 is based on the Yocto Project® release 4.0 LTS “kirkstone” and provides feature enhancements, bug fixes and Embedded Documentation Portal updates.</p> <p>Platform Support: CC8M Nano/Mini, CC8X, CC6UL, CC6+, CC6/6N, CCMP13/15, CC93</p> <p><u>Release changelog</u> 4.0-r5</p> <ul style="list-style-type: none"> <li>• Added support for Light and Versatile Graphics Library (LVGL)</li> <li>• Added support to update bootloader using software update packages (SWU)</li> <li>• ST-based platforms             <ul style="list-style-type: none"> <li>○ TrustFence                 <ul style="list-style-type: none"> <li>▪ Secure boot</li> <li>▪ Added support to boot signed FIT images (kernel + device tree + U-Boot boot script)</li> <li>▪ Secure console</li> <li>▪ U-Boot environment encryption</li> <li>▪ Partition encryption</li> <li>▪ Secure firmware update</li> <li>▪ Summary of TrustFence keys / how to revoke</li> </ul> </li> <li>○ Added support to EGLFS backend for ConnectCore MP15 platform</li> </ul> </li> <li>• NXP-based platforms             <ul style="list-style-type: none"> <li>○ Updated BSP for ConnectCore 93                 <ul style="list-style-type: none"> <li>▪ U-Boot v2023.04 (based on tag lf-6.1.55-2.2.0 by NXP)</li> <li>▪ Linux kernel v6.1.55 (based on tag lf-6.1.55-2.2.0 by NXP)</li> </ul> </li> <li>○ Middleware updates from Yocto 4.2 for ConnectCore 93</li> <li>○ <b>IMPORTANT:</b> Moved location of U-Boot environment for ConnectCore 93 to support redundant bootloader. Updating to the new U-Boot will reset the environment to default values.</li> <li>○ TrustFence</li> </ul> </li> </ul>
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	<ul style="list-style-type: none"> <li>▪ Added preliminary TrustFence support for ConnectCore 93</li> <li>• Added overlay to enable Cortex-M coprocessor</li> <li>• Updated Python XBee library</li> <li>• Boot count support disabled by default</li> <li>• Digi ConnectCore Cloud Services             <ul style="list-style-type: none"> <li>○ Added feature to update bootloader remotely using software update packages (SWU)</li> <li>○ Data backlog support to locally store samples when it is not possible to upload them</li> <li>○ CCCS API to set the maintenance state of devices</li> <li>○ CCCS API to upload binary data points</li> <li>○ Report to Digi Remote Manager when a device is using a Wi-Fi connection</li> <li>○ Improved firmware download speed</li> <li>○ Configuration file:                 <ul style="list-style-type: none"> <li>▪ Use default values if configuration file is not provided</li> <li>▪ Allow to disable firmware update service</li> </ul> </li> <li>○ Updated Quick Setup mobile app                 <ul style="list-style-type: none"> <li>▪ UX improvements</li> <li>▪ Added troubleshooting section in documentation</li> </ul> </li> </ul> </li> <li>• General bug fixing and improvements</li> </ul>
<p><b>Affected Part Numbers (Supported Platforms)</b></p>	<p><b><u>ConnectCore 93</u></b>          ConnectCore 93 System-on-Module (SOM)</p> <ul style="list-style-type: none"> <li>· CC-WMX-YC7D-KN</li> <li>· CC-MX-YC7D-ZN</li> </ul> <p>ConnectCore 93 Development Kit (DVK)</p> <ul style="list-style-type: none"> <li>· CC-WMX93-KIT</li> </ul> <p><b><u>ConnectCore MP13</u></b>          ConnectCore MP13 System-on-Module (SOM)</p> <ul style="list-style-type: none"> <li>· CC-WST-DX58-NK</li> <li>· CC-ST-DX58-ZK</li> </ul> <p>ConnectCore MP13 Development Kit (DVK)</p> <ul style="list-style-type: none"> <li>· CC-WMP133-KIT</li> </ul> <p><b><u>ConnectCore MP15</u></b>          ConnectCore MP15 System-on-Module (SOM)</p> <ul style="list-style-type: none"> <li>· CC-WST-DW69-NM</li> <li>· CC-ST-DW69-ZM</li> </ul> <p>ConnectCore MP15 Development Kit (DVK)</p> <ul style="list-style-type: none"> <li>· CC-WMP157-KIT</li> </ul>

**ConnectCore 8M Mini**

ConnectCore 8M Mini System-on-Module (SOM)

- CC-WMX-ET8D-NN
- CC-WMX-ET7D-NN
- CC-MX-ET8D-ZN
- CC-MX-ET7D-ZN

ConnectCore 8M Mini Development Kit (DVK)

- CC-WMX8MM-KIT

**ConnectCore 8M Nano**

ConnectCore 8M Nano System-on-Module (SOM)

- CC-WMX-FS7D-NN
- CC-WMX-FR6D-NN
- CC-MX-FS7D-ZN
- CC-MX-FR6D-ZN

ConnectCore 8M Nano Development Kit (DVK)

- CC-WMX8MN-KIT

**ConnectCore 8X**

ConnectCore 8X System-on-Module (SOM)

- CC-WMX-JM8E-NN
- CC-MX-JM8D-ZN
- CC-MX-JM7D-ZN
- CC-WMX-JM7D-NN
- CC-MX-JQ6D-ZN
- CC-MX-JQ7D-ZN
- CC-WMX-JQ7D-ZN
- CC-WMX-JMFP-NN

ConnectCore 8X SBC Pro

- CC-WMX8-PRO

**ConnectCore 6UL**

ConnectCore 6UL System-on-Module (SOM)

- CC-WMX-JN7A-NE
- CC-WMX-JN69-NN
- CC-WMX-JN59-NN
- CC-WMX-JN58-NE
- CC-MX-JN7A-Z1
- CC-MX-JN69-ZN
- CC-MX-JN58-Z1

ConnectCore 6UL SBC Pro

- CC-WMX6UL-KIT
- CC-SBP-WMX-JN58

	<ul style="list-style-type: none"> <li>· CC-SBP-WMX-JN7A</li> </ul> <p><b><u>ConnectCore 6+</u></b> ConnectCore 6+ System-on-Module (SOM)</p> <ul style="list-style-type: none"> <li>· CC-WMX-KK8D-TN</li> <li>· CC-MX-LL7C-ML</li> </ul> <p>ConnectCore 6+ professional Development Kit (DVK)</p> <ul style="list-style-type: none"> <li>· CC-WMX6P-KIT</li> </ul> <p><b><u>ConnectCore 6/6N</u></b> ConnectCore 6/6N System-on-Module (SOM)</p> <ul style="list-style-type: none"> <li>· CC-WMX-J97C-TN</li> <li>· CC-WMX-L96C-TE</li> <li>· CC-WMX-L87C-TE</li> <li>· CC-MX-L76C-Z1</li> <li>· CC-MX-L86C-Z1</li> <li>· CC-MX-L96C-Z1</li> <li>· CC-WMX-L76C-TE</li> <li>· CC-WMX-K87C-FJA</li> <li>· CC-WMX-K77C-TE</li> <li>· CC-WMX-L97D-TN</li> <li>· CC-WMX-J98C-FJA</li> </ul> <p>ConnectCore 6 Jumpstart Development Kit (SBC with ConnectCore 6 module)</p> <ul style="list-style-type: none"> <li>· CC-WMX6-KIT</li> <li>· CC-SB-WMX-J97C-1</li> <li>· CC-SB-WMX-L87C-1</li> <li>· CC-SB-WMX-L76C-1</li> </ul>
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<b>Timing of Change</b>	Available in the embedded documentation portal now: <a href="http://www.digi.com/resources/documentation/digidocs/embedded/index.html">www.digi.com/resources/documentation/digidocs/embedded/index.html</a>
	Download available on GitHub: <a href="https://github.com/digi-embedded/meta-digi/tree/kirkstone">https://github.com/digi-embedded/meta-digi/tree/kirkstone</a>
	Digi System-on-Module support website (select SOM platform): <a href="https://hub.digi.com/support/products/system-on-modules/">https://hub.digi.com/support/products/system-on-modules/</a>

<b>Notes</b>	Requires software upgrade on existing product. Release Notes: <a href="https://github.com/digi-embedded/meta-digi/tree/kirkstone">https://github.com/digi-embedded/meta-digi/tree/kirkstone</a>
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<b>Authorization</b>	Digi International Embedded Product Management
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