

Product Change Notification		Date
		November 8, 2024
Product	Digi Embedded Yocto Release 4.0-r7 (dey-4.0-r7)	

Reason for Change

☐ Technical Requirement	☐ Product Transition
☐ Customer Requirement	☐ Product Discontinuation
☐ Quality Improvement	☒ Product Enhancement
	☐ Other

Description of Change	Digi Embedded Yocto version 4.0-r7 is based on the Yocto Project™ release 4.0 LTS “kirkstone” and provides feature enhancements, bug fixes and Digi Embedded Documentation Portal updates. Platform support: CC6/6N, CC6+, CC6UL, CC8X, CC8M Mini/Nano, CCMP13/15, CC91/93 and CCMP25. <u>Release changelog</u> dey-4.0-r7 • ST-based platforms: ○ Added support to ConnectCore MP25: ▪ Trusted Firmware ARM v2.8 (based on tag 'v2.8-stm32mp25-beta-r2' by ST). ▪ OP-TEE v3.19.0 (based on tag '3.19.0-stm32mp25-beta-r1' by ST). ▪ U-Boot v2022.10 (based on tag 'v2022.10-stm32mp25-beta-r1' by ST). ▪ Linux kernel v6.1.28 (based on tag 'stm32mp25-beta-r1' by ST). ○ Added support to create signed SDcard image for ConnectCore MP13 / ConnectCore MP15. ○ Added support to program and use hardware unique key (HUK) on one-time programmable (OTP) bits as derivative for encryption key on ConnectCore MP15. ○ Enable spread-spectrum on PLL2 to mitigate emission on 533MHz frequency on ConnectCore MP15. • NXP-based platforms: ○ Added support to ConnectCore 91: ▪ U-Boot v2024.04 (based on tag 'lf-6.6.23-2.0.0' by NXP). ▪ Linux kernel v6.6.23 (based on tag 'lf-6.6.23-2.0.0' by NXP). ○ Improved machine learning examples recipe for the ConnectCore 93 with automatic download and conversion of models. • Improved software update (SWU) package generation and support: added SWU authentication when TrustFence is enabled.
-----------------------	--

	• Added support to fix Y2K38 problem on 32-bit platforms. • General bug fixing and improvements.
--	---

Affected Part Numbers (Supported Platforms)	<u>ConnectCore 91</u> ConnectCore 91 System-on-Module (SOM) • CC-WMX-F26D-L1 • CC-MX-F26D-Z1 <u>ConnectCore MP25</u> ConnectCore MP25 System-on-Module (SOM) • CC-WST-J17D-NK • CC-ST-J17D-ZK ConnectCore MP255 Development Kit (DVK) • CC-WMP255-KIT <u>ConnectCore 93</u> ConnectCore 93 System-on-Module (SOM) • CC-WMX-YC7D-KN • CC-MX-YC7D-ZN • CC-WMX-ZC6D-L1 • CC-MX-ZC6D-Z1 ConnectCore 91/93 Development Kit (DVK) • CC-WMX93-KIT <u>ConnectCore MP13</u> ConnectCore MP13 System-on-Module (SOM) • CC-WST-DX58-NK • CC-ST-DX58-ZK ConnectCore MP13 Development Kit (DVK) • CC-WMP133-KIT <u>ConnectCore MP15</u> ConnectCore MP15 System-on-Module (SOM) • CC-WST-DW69-NM • CC-ST-DW69-ZM • CC-WST-DW7A-NM • CC-ST-DW7A-ZM ConnectCore MP15 Development Kit (DVK) • CC-WMP157-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 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
- CC-MX-ETEN-ZN

ConnectCore 8M Mini Development Kit (DVK)

- CC-WMX8MM-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

	- CC-SBP-WMX-JN7A <u>ConnectCore 6+</u> ConnectCore 6+ System-on-Module (SOM) - CC-WMX-KK8D-TN - CC-MX-LL7C-ML ConnectCore 6+ professional Development Kit (DVK) - CC-WMX6P-KIT <u>ConnectCore 6/6N</u> ConnectCore 6/6N System-on-Module (SOM) - CC-WMX-J97C-TN - CC-WMX-L96C-TE - CC-WMX-L87C-TE - CC-MX-L76C-Z1 - CC-MX-L86C-Z1 - CC-MX-L96C-Z1 - CC-WMX-L76C-TE - CC-WMX-K87C-FJA - CC-WMX-K77C-TE - CC-WMX-L97D-TN - CC-WMX-J98C-FJA ConnectCore 6 Jumpstart Development Kit (SBC with ConnectCore 6 module) - CC-WMX6-KIT - CC-SB-WMX-J97C-1 - CC-SB-WMX-L87C-1 - CC-SB-WMX-L76C-1
Timing of Change	Available in the Digi Embedded Documentation Portal now: www.digi.com/resources/documentation/digidocs/embedded/index.html Download available on GitHub: https://github.com/digi-embedded/meta-digi/tree/kirkstone Digi System-on-Modules Support website (select SOM platform): https://hub.digi.com/support/products/system-on-modules/
Notes	Requires software upgrade on existing products. Release Notes: https://github.com/digi-embedded/meta-digi/tree/kirkstone
Authorization	Digi International Embedded Product Management