Product Change Notification	Date
	January 21, 2019

Product	ConnectCore i.MX51/53
	Notice # 181206-02 (rev B)

Reason for Change:

Technical Requirement	Product Transition
Customer Requirement	Product Discontinuation
Quality Improvement	Product Enhancement
Change of Production Location	Other (Brand Change)

Audience	All Embedded distributors and direct customers
Description of change	Due to the obsolescence of the previously qualified 512MB flash memory for the ConnectCore i.MX51/53 products, Digi has qualified a corresponding replacement.
	The qualification of the new memory component updates the Digi internal part number of the assembly. Digi P/N TM02777/16051870 will change from Samsung K9F4G08U0B-PAB0 to Samsung K9F4G08U0F-SIB0 and FIDELIX FMND4G08U3J-IA, in order to facilitate build consistency, QVL updates, and inventory management. The new memory is functionally compatible with the old memory.
	As part of Digi's standard qualification process, Digi has updated firmware to support all affected PNs. The corresponding software changes provide support for the new qualified flash for Windows Embedded Compact 7 and Windows Embedded CE 6.0. No changes are required for Linux and U-Boot.
	For the modules in the appendix shown below, the replacement memory part requires updating Windows CE 7 or Window CE 6 source code and rebuilding the firmware.
	Note that non-updated firmware will not run on modules that incorporate the new flash part.

Affected Part Numbers	See Appendix

Timing of Change	Effectivity Dates – See Appendix

Notes/Actions	Digi will update all standard ConnectCore i.MX51/53 to support modules with the qualified flash memory component as noted above.
	
	Customers are required to patch the Windows CE code base with the new software patch and then rebuild their firmware projects.
	
	Follow the instructions provided below to update your code base and to rebuild the firmware.
	
	Update source code
	• Windows Embedded Compact 7
	    Download the software patch files (WCE7-FIDELIX-NAND.zip) and follow the instructions provided inside the files.
	
	• Windows Embedded Compact 6
	    Download the software patch files (WCE6_NAND_PATCH.zip) and follow the instructions provided inside the files.
	
	https://www.digi.com/support/productdetail?pid=4420&type=patches
	
	• Other versions
	    Please contact your Digi Sales Rep
	
	Rebuild the Windows CE project
	    After updating your code base, rebuild your projects and generate new firmware images. The new binary image(s) will work with both new revision and older revisions of the products.

	Samples availability Please contact your Digi Sales Rep. Additional Information If you have concerns or questions about this notice please contact your sales representative or our technical support department via telephone at +1-952-912-3456
Additional Notes	This PCN is an update to previous PCN sent on Dec. 6, 2018. Notice # is the same without (rev B) suffix. Primary updates include: • Addition of Windows CE 6 patch information • Effectivity date of March 1, 2019 for Non-WiFi modules. This date will depend on inventory and orders for each variant. • WiFi modules are all going EOL on PCN #190104-03 • Revision update for all variants to distinguish between current flash and the new flash parts. As memory part availability continues to be an issue in the entire industry, Digi will be proactive to qualify alternative sources when appropriate. Software patches are inconvenient, but Digi wants to ensure that we can provide customers product in a timely manner.

Quality Issues	None
Authorization	Kim Knutsen, Sr. Product Manager, Digi International

Appendix:

Affected Part Numbers		Current Revision	Flash Update Revision	Effective Date
CC-WMX-MB69-VK	ConnectCore Wi-i.MX51 600Mhz 512/512 2xENET	K	L	TBD*
CC-WMX-MB69-VM	ConnectCore Wi-i.MX51 600Mhz 512/512 1xENET	J	K	TBD*
CC-MX-LB69-ZK	ConnectCore i.MX51 800Mhz 512/512 2xENET	K	L	1-Mar-19
CC-MX-LB69-ZM	ConnectCore i.MX51 800Mhz 512/512 1xENET	K	L	1-Mar-19
CC-MX-MB69-ZM	ConnectCore i.MX51 600Mhz 512/512 1xENET	H	J	1-Mar-19
CC-MX-LB69-GMD	ConnectCore i.MX51 800Mhz 512/512 2xENET	C	D	1-Mar-19
CC-MX-LB69-GMD-1	ConnectCore i.MX51 800Mhz 512/512 2xENET	C	D	1-Mar-19
CC-WMX-LB69-CV	ConnectCore Wi-i.MX51 800Mhz 512/512 1xENET	H1	J	TBD*
CC-WMX-LB69-CV-1	ConnectCore Wi-i.MX51 800Mhz 512/512 1xENET	H	J	TBD*
CC-WMX-KD69-VK	ConnectCore Wi-i.MX53 1Ghz 512/512 2xENET	G	H	TBD*
CC-MX-KD69-ZM	ConnectCore i.MX53 1Ghz 512/512 1xENET	E	F	1-Mar-19
CC-MX-LD69-ZM	ConnectCore i.MX53 800Mhz 512/512 1xENET	E	F	1-Mar-19
CC-MX-LD79-ZK	ConnectCore i.MX53 800Mhz 512/1G 2xENET	D	E	1-Mar-19
CC-WMX-LD79-VK	ConnectCore Wi-i.MX53 800Mhz 512/1G 2xENET	F	G	TBD*

*Goal is to NOT convert the WiFi capable modules to the new flash, since they are going EOL due to the Redpine component LTB in March 2019.   We will need to access once all orders are in for the WiFi versions.