

<b>Product Change Notification</b>		Date October 5, 2018
<b>Product</b>	ConnectCore i.MX51 (select variants) Notice # 181005-01	

Reason for Change:

<input type="checkbox"/> Technical Requirement	<input checked="" type="checkbox"/> Product Transition
<input type="checkbox"/> Customer Requirement	<input type="checkbox"/> Product Discontinuation
<input type="checkbox"/> Quality Improvement	<input type="checkbox"/> Product Enhancement
<input type="checkbox"/> Change of Production Location	<input type="checkbox"/> Other (Brand Change)

<b>Audience</b>	All Embedded distributors and direct customers
<b>Description of change</b>	<p>Due to the obsolescence of the previously qualified memory for the ConnectCore i.MX51 product, Digi has qualified a corresponding replacement.</p> <p>The qualification of the new memory component updates the Digi internal part number of the assembly. Digi P/N TM02795 will change from Samsung K9F1G08U0D-SIB0 to ATO AFND1G08U3-CKAI, in order to facilitate build consistency, QVL updates, and inventory management. The new memory is functionally compatible with the old memory.</p> <p>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 U-Boot and Windows Embedded Compact 7. No changes are required for linux.</p> <p>For the modules in the appendix shown below, the replacement memory part requires updating U-Boot and Windows CE 7 source code and rebuilding the firmware.</p> <p><b>Note that non-updated firmware will not run on modules that incorporate the new flash part.</b></p>

<b>Affected Part Numbers</b>	See Appendix
------------------------------	--------------

<b>Timing of Change</b>	<b>Effectivity Dates – See Appendix</b>
<b>Notes/Actions</b>	<p>Digi will update all standard ConnectCore i.MX51 to support modules with the qualified Memory component as noted above.</p> <p>Customers are required to patch the U-Boot and Windows CE code base with the new software patch and then rebuild their firmware projects.</p>

	<p>Follow the instructions provided below to update your code base and to rebuild the firmware.</p> <p><b>Update source code</b></p> <ul style="list-style-type: none"> <li>• Digi Embedded Linux 5.9                      The software patches are distributed and installed via the Package Manager. Install the package AFND1G08U3-nand-patch and rebuild the U-Boot.                      Note that linux works correctly with the new flash and it is not required to rebuild it.</li> <li>• Windows Embedded Compact 7                      Download the software patch files (U-Boot-ATO-Nand-Patch.zip and WCE7-ATO-NAND.zip) and follow the instructions provided inside the files.</li> <li>• Other versions                      Please contact Digi Tech Support</li> </ul> <p><b>Rebuild the U-Boot and Windows CE project</b>                      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.</p> <p><b>Samples availability</b>                      Please contact your Digi Sales Rep.</p> <p><b>Additional Information</b>                      If you have concerns or questions about this notice please contact your sales representative or our technical support department via telephone at 952-912-3456</p>
<b>Additional Notes</b>	<p>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.</p>

<b>Quality Issues</b>	None
<b>Authorization</b>	Kim Knutsen, Sr. Product Manager, Digi International

**Appendix:**

<b>Affected Part Numbers</b>		<b>New Revision</b>	<b>Effective Date</b>
CC-MX-LC47-ZM	ConnectCore i.MX51 800Mhz 128/128 1xENET	G	Immediately
CC-MX-MB47-ZM	ConnectCore i.MX51 600Mhz 128/128 1xENET	K	Immediately
CC-WMX-LC47-VM	ConnectCore Wi-i.MX51 800Mhz 128/128 1xENET	H	Immediately