Product Change Notification (PCN)

Transition from Apalis iMX6Q 1GB V1.1A to Apalis iMX6Q 1GB V1.1B

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1. Toradex Product Numbers Affected

EOL Product		Replacement Product	
Part Number	Product Name	Part Number	Product Name
00271100	Apalis iMX6Q 1GB V1.1A	00271101	Apalis iMX6Q 1GB V1.1B

2. Product Phase in / Phase out Schedule

EOL Product		Replacement Product	
Part Number	Estimated Schedule	Part Number	Estimated Schedule
00271100	Limited stock available (on allocation). Please provide us with your desired quantities by June 16th 2017.	00271101	Sample Production: May 2017 Volume Production: July 2017

Customers are strongly encouraged to convert their designs to the replacement parts listed above. Toradex also advises customers to carefully validate the new product version before their production release.

3. Description of Changes

From 00271100 Apalis iMX6Q 1GB V1.1A to 00271101 Apalis iMX6Q 1GB V1.1B:

 – Replaced eMMC 4GB Toshiba THGBMBG5D1KBAIT (EOL) with
   4GB Micron MTFC4GACAJCN-1M-WT.

 – i.MX 6 SoC and eMMC are irrevocably configured (fused) for "fast boot mode" in the new version.

 – The pre-installed software changes from "embedded Linux" to "Toradex Easy Installer".

4. Customer Impact

4.1. Hardware Design

 – There is no impact on the carrier board hardware design.

4.2. Software

 – eMMC changes usually do not affect customer software.

 – The i.MX 6 SoC and the eMMC will be fused in "fast boot mode". More details about this can be found here: http://developer.toradex.com/knowledge-base/linux-booting#eMMC_Fast_Boot_Mode_ApalisColibri_iMX6

The new eMMC and the "fast boot mode" are supported in the latest stable or beta BSP/image versions. However, it should be supported starting with the following older BSP/image versions (basic tests successfully passed):
- Windows Embedded Compact 7/2013: V1.1
- Embedded Linux: V2.6 beta 1
In case your current setup still relies on an even older embedded Linux BSP/image version you may be able to just update to a later U-Boot version, selectively patching the Linux kernel and leaving the root file system part as is. Please contact our technical support if you have any questions, see contact details below.

– The pre-installed software on the new product version changes from "embedded Linux" to "Toradex Easy Installer". The Toradex Easy Installer is a Linux-based tool which improves the out-of-the-box experience for new customers as well as the production programming features for customers in volume production.

Customers who rely on the pre-installed embedded Linux image might be affected by this change. However, since the Toradex Easy Installer is based on U-Boot and embedded Linux, we expect most customer setups will continue working as-is. We strongly recommend checking this in detail. We provide the full Toradex Easy Installer package on our developer website in order to allow customers to download and install the tool and test their setup. The Toradex Easy Installer package is compatible with older Apalis iMX6 modules and can be used for verification immediately. However, flashing any image with the "Toradex Easy Installer" will irrevocably configure the i.MX 6 SoC and eMMC for "fast boot mode".

Find the details about "Toradex Easy Installer", downloads, and installation instructions on our developer website: http://developer.toradex.com/software/toradex-easy-installer

5. Definitions

EOL: End Of Life

6. Contact

Please contact Toradex if you have any questions.

For commercial and sales questions please contact shop@toradex.com

For technical questions please contact support.arm@toradex.com