

Product Change Notification (PCN): Colibri iMX6 Micron eMMC change

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Updated on: 25 Nov 2021 Rev. 2 Changes: Updated “Description of Changes” to emphasize Torizon Easy Installer change and correct eMMC part number.

Updated on: 18 Jan 2022 Rev. 3 Changes: Updated “Customer Impact” to provide the details on the boot partition size of the new SkyHigh eMMC.

Table of Contents

- 1. Affected Product Numbers
- 2. Product Phase in / Phase-out Schedule
- 3. Description of Changes
 - Change #1: eMMC
 - Change #2: Toradex Easy Installer
- 4. Customer Impact
 - Hardware
 - Software
- 5. Contact

1. Affected Product Numbers

End of Life Product		Replacement Product	
Part Number	Product Name	Part Number	Product Name
00141100	Colibri iMX6S 256MB V1.1A	00141101	Colibri iMX6S 256MB V1.1B
00151100	Colibri iMX6DL 512MB V1.1A	00151101	Colibri iMX6DL 512MB V1.1B
00161100	Colibri iMX6S 256MB IT V1.1A	00161101	Colibri iMX6S 256MB IT V1.1B
00171100	Colibri iMX6DL 512MB IT V1.1A	00171101	Colibri iMX6DL 512MB IT V1.1B
00171125	Colibri iMX6DL 512MB IT V1.1Z (temporary version)	00171124	Colibri iMX6DL 512MB IT V1.1Y (temporary version)

2. Product Phase in / Phase-out Schedule

End of Life Product		Replacement Product	
Part Number	Estimated Schedule	Part Number	Estimated Schedule
00141100	Due to memory component supply issues, we can't assure last time buy (LTB) and last time ship (LTS) options. The current product version will be sold until limited inventory is depleted.	00141101	Samples November 2021
00151100		00151101	Volumes in January 2022*
00161100		00161101	*00141100 Colibri iMX6S 256MB V1.1A due to SoC in Q2 2022
00171100		00171101	
00171125		00171124	

Toradex advises its customers to carefully validate the new product version before their production release. Samples for evaluation purposes will be available upon request.

3. Description of Changes

Change #1: eMMC	
Affected products	Change
00161100 Colibri iMX6S 256MB IT V1.1A 00171100 Colibri iMX6DL 512MB IT V1.1A 00171125 Colibri iMX6DL 512MB IT V1.1Z	Replacing eMMC: Micron MTFC4GACAJCN-4M IT with Macronix MX52LM04A11XUI
00141100 Colibri iMX6S 256MB V1.1A 00151100 Colibri iMX6DL 512MB V1.1A	Replacing eMMC: Micron MTFC4GACAJCN-1M WT with SkyHigh S40FC004C1B1C00
Change #2: Toradex Easy Installer	
Affected products	Change
00161100 Colibri iMX6S 256MB IT V1.1A 00171100 Colibri iMX6DL 512MB IT V1.1A 00171125 Colibri iMX6DL 512MB IT V1.1Z	Replacing the pre-installed software from Toradex Easy Installer 1.8 to Toradex Easy Installer 5.3.0.
00141100 Colibri iMX6S 256MB V1.1A 00151100 Colibri iMX6DL 512MB V1.1A	

4. Customer Impact

Hardware

- No impact on the hardware side is expected. However, please carefully verify the new product version in your environment.

Software

- eMMC changes usually do not affect customer software, however, please validate your use case. The SkyHigh S40FC004C1B1C00 eMMC has a different boot partition size than Micron MTFC4GACAJCN-1M WT. Since our config block is always located in the last block of the primary boot partition, the absolute address of the config block changes. Customers not specifically writing the config block or using relative addressing are not affected by this change. It is recommended to review and test your software, especially if you have customized Toradex-provided software or used your own software to take advantage of eMMC-specific features. This change could furthermore also affect factory programming.

- The pre-installed software on the new product version changes from Toradex Easy Installer 1.8 to Toradex Easy Installer 5.3.0. Easy Installer is typically used for factory programming.

We do not expect customer impact.

As with all changes, we recommended validating the new version in your setup as soon as possible. Easy Installer 5.3.0 is available today and also works on the current version of the SoM. Learn how to change Easy Installer here: <https://developer.toradex.com/software/toradex-easy-installer#tab-getting-started>

5. 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@toradex.com