Product Change Notification (PCN): Colibri iMX6 Micron eMMC change - Update Nov. 29 2023

Date of publication: 23 Nov 2021

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

Updated on 18 Jan 2022 Changes: Updated "Customer Impac"" to provide the details on the boot partition size of the new SkyHigh eMMC.

Updated on 28 Nov 2023 Changes: Updated "Customer Impact" to provide details on replacing the pre-installed software from Toradex Easy Installer 1.8 to Toradex Easy Installer 5.3.0.

Updated on 29 Nov 2023 Changes: Including 00141125 / 00141124.

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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
00141125	Colibri iMX6S 256MB V1.1Z	00141124	Colibri iMX6S 256MB V1.1Y
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 Volumes in January 2022* *00141100 Colibri iMX6S 256MB V1.1A due to SoC in Q2 2022
00141125		00141124	
00151100		00151101	
00161100		00161101	
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 00141125 Colibri iMX6S 256MB V1.1Z 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 00141100 Colibri iMX6S 256MB V1.1A 00151100 Colibri iMX6DL 512MB V1.1A 00141125 Colibri iMX6S 256MB V1.1Z	Replacing the pre-installed software from Toradex Easy Installer 1.8 to Toradex Easy Installer 5.3.0.

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 Replacement Product changes from Toradex Easy Installer 1.8 to Toradex Easy Installer 5.3.0. Toradex Easy Installer is typically used for the factory programming of SoMs.**

  As Toradex Easy Installer 5.3.0 is featuring a newer major version of the Linux Kernel, there is a potential impact on customers' factory programming procedure. Therefore, we strongly advise to validate this new version of Toradex Easy Installer as soon as possible, especially if the factory programming procedure is relying on the following scripts: prepare_script, wrapup_script, error-script.

  Customers can instantly download, install and validate the new version of Toradex Easy Installer. More information is available here: Loading Toradex Easy Installer | Toradex Developer Center

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