

Product Change Notification (PCN)

Transition from Colibri iMX7S 256MB V1.1B to Colibri iMX7S 256MB V1.1C

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1. Toradex Product Numbers Affected

EOL Product		Replacement Product	
Part Number	Product Name	Part Number	Product Name
00321101	Colibri iMX7S 256MB V1.1B	00321102	Colibri iMX7S 256MB V1.1C

2. Product Phase in / Phase out Schedule

EOL Product		Replacement Product	
Part Number	Estimated Schedule	Part Number	Estimated Schedule
00321101	Product will be sold until inventory is depleted.	00321102	Sample Production: Limited numbers available now.

3. Description of Changes

From 00321101 Colibri iMX7S 256MB V1.1B to 00321102 Colibri iMX7S 256MB V1.1C:

- Improved power consumption of the internal RTC (from 454uA to 9uA).
- Fixed issue which prevented the SoM from booting after a shut-down command with supplied VCC_BATT during off-state.
- Supporting 3.3V/1.8V IO voltage switch for SD interface which allows running at faster UHS-I speed.
- Using new Nand Flash: Macronix MX30LF4G28AC-TI instead of MX30LF4G28AB-TI
- The pre-installed software on the SoM changes from Embedded Linux to Toradex Easy Installer. More information about the Toradex Easy Installer can be found on the following link: <https://developer.toradex.com/software/toradex-easy-installer>

4. Customer Impact

4.1. Hardware Design

- No change required.
- To make use of the optional UHS-I 3.3V/1.8V IO voltage switch on the SD interface, no external pull-up resistors are allowed on the respective interface signals on the carrier board.

4.2. Software

- The changes don't have any impact on software when the application is not using UHS-I
- Under Linux the device tree needs to be updated to make use of the new UHS-I 3.3V/1.8V feature. Toradex will continue using 3.3V operation as default, because all Toradex carrier boards are assembled with 3.3V pull-up resistors on the SD interface signals.
- Under WinCE UHS-I isn't supported at the moment.

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@toradex.com