

Product Change Notification (PCN)

Transition from

Apalis TK1 2GB V1.0B to Apalis TK1 2GB V1.1A

Date of Publication: 2016-11-29

1. Toradex Product Numbers Affected

| EOL Product | | Replacement Product | |
|-------------|----------------------|---------------------|----------------------|
| Part Number | Product Name | Part Number | Product Name |
| 00341001 | Apalis TK1 2GB V1.0B | 00341100 | Apalis TK1 2GB V1.1A |

2. Product Phase in / Phase out Schedule

Supplies of the discontinued product are limited. All orders will be filled on a first-come, first-served basis until our inventory is depleted.

| EOL Product | | Replacement Product | |
|-------------|---|---------------------|-------------------------------|
| Part Number | Estimated Schedule | Part Number | Estimated Schedule |
| 00341001 | Product will be sold until inventory is depleted. | 00341100 | Sample Production: 2016-11-29 |

Customers are strongly encouraged to start using the V1.1A version in their projects. Toradex also advises customers to carefully validate the new product version before their production release.

3. Description of Changes

From 00341001 Apalis TK1 2GB V1.0B
to 00341100 Apalis TK1 2GB V1.1A:

- Changed Ethernet controller to a fully industrial temperature range capable part number allowing an operating temperature range of the module from -25°C to 85°C, see datasheet for details.
- Fixed a problem, which was causing increased power consumption, on the PCB related to PMIC. See Errata #4: <http://docs.toradex.com/103358-apalis-tk1-errata.pdf>
- Fixed a problem on the PCB related to SD Card interface. See Errata #1: <http://docs.toradex.com/103358-apalis-tk1-errata.pdf>
- Fixed a problem that sometimes leads to non-working Ethernet on some modules.

4. Customer Impact

4.1. Hardware Design

- The change related to the SD Card problem includes the change of the pin-assignment of MXM pin 190. On V1.0 product versions the signal SDMMC3_CLK_LB_IN is connected to this pin. On

V1.1 modules we will use SDMMC3_CD_N connected to a pull-up and diode. Please check the datasheet for details.

- The overall power consumption of the module is significantly reduced.

4.2. Software

- In order to make use of the SD Card interface, it's required to update to the latest Linux BSP V2.6.1 Beta 2 (available later in Q4 2016)

5. Definitions

LTB: Last Time Buy

LTS: Last Time Ship

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