

Product Change Notification (PCN)

Transition from Ixora V1.0A to Ixora V1.1A

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1. Toradex Product Numbers Affected

EOL Product		Replacement Product	
Part Number	Product Name	Part Number	Product Name
01331000	Ixora V1.0A	01331100	Ixora V1.1A

2. Product Phase in / Phase out Schedule

EOL Product		Replacement Product	
Part Number	Estimated Schedule	Part Number	Estimated Schedule
01331000	Product will be sold until stock levels are depleted.	01331100	Product will be available from April 2017 onwards.

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 01331000 Ixora V1.0A
to 01331100 Ixora V1.1A

Most changes were made to improve the compatibility with our latest Apalis TK1 module whereas keeping compatibility with existing Apalis modules.

- Swap Apalis USBH2 with USBH3
- Use Apalis MMC1 instead of SD1
- Use new Micro SD card holder (higher quality)
- Use SD1 pins as GPIOs to control UART2/3_RS232_FOFF#, FACTORY_DEFAULT#, PCIE_WDISABLE#_R, LED_4_RED, and LED_4_GREEN (before MMC1 pins were used)
- Add bias-circuit to the microphone input
- Connect I2C to the LVDS connector X19 to support EDID
- Add new connector X24 for capacitive touch controller support (compatibility with future Toradex display offerings)
- Add CSI connector X28
- Improve battery holder footprint
- Added footprint for recovery mode jumper JP4 (not assembled)
- Remove EEPROM (not assembled)
- Remove CAN termination resistors
- Change USB 5V regulator to supply the minimum requirement of 900mA as required by USB 3.0
- Change micro SD card holder to a more reliable one
- Pull-up WAKE1_MICO# to 3.3V instead of 3.3V_SW
- Increase the maximum power output (from 15W to 20W)

For further details, please refer to the public design data of Ixora V1.0A and V1.1A:
<http://developer.toradex.com/products/ixora-carrier-board#design-resources>

4. Customer Impact

4.1. Hardware Design

- Even though several hardware changes were made, the impact for customers should be limited as we mainly improved & extended the feature set of the existing Ixora carrier board.

4.2. Software

- Some alternations might require software changes, especially the USB swap and SD1 to MMC1. When using standard Toradex BSPs, these changes will not be a issue as all the interfaces are supported out of the box.

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