

# Product Change Notification (PCN): 0048 Apalis iMX8QP 2GB WB V1.1D and 0049 Apalis iMX8QP 2GB V1.1D

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Update #1 on 07 May 2024: The Hardware section on “Customer Impact” has been updated.

Update #2 on 16 Oct 2024: The LTB date has been extended

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## 1. Affected Products

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End of Life Product		Replacement Product	
Part Number	Product Name	Part Number	Product Name
00481103	Apalis iMX8QP 2GB WB V1.1D	00481104	Apalis iMX8QP 2GB WB V1.1E
00491103	Apalis iMX8QP 2GB V1.1D	00491104	Apalis iMX8QP 2GB V1.1E

## 2. Product Phase-in / Phase-out Schedule

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End of Life Product		Replacement Product	
Part Number	Estimated Schedule	Part Number	Estimated Schedule
00481103	Last time buy (LTB): 2025-01-16	00481104	Samples: July/2024
00491103		00491104	
	Last time ship (LTS): 2025-06-11		

### 3. Description of Changes

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**Change #1: RAM Change**

RAM part number has changed from Micron MT53E256M32D2DS-053 WT:B to Micron MT53E256M32D1KS-046 WT:L

**Change #2: R51 assembly state from assembled to not assembled**

Strapping of the KSZ9131 Ethernet PHY changed from “1111” (which is reserved on KSZ9131) to “1110”

**Change #3: Edge Connector Chamfering**

The PCB edge connector changed from non-chamfered to chamfered

**Change #4: Ethernet clock source change**

OSC4 has changed from MEMS to crystal-based type

### 4. Customer Impact

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**Hardware**

The change of the clock source of the on-SoM Ethernet PHY from a MEMS oscillator to a crystal-based device results in lower jitter and addresses the potential Ethernet compliance issue from HAR-10131: <https://developer-archives.toradex.com/apalis-imx8-issue-tracker?key=HAR-10131#tab-errataknown-issues> .

No other impact is expected, however, please carefully verify the new product version in your environment.

**Software****Torizon OS**

No impact is expected due to the changes mentioned above.

**Toradex Embedded Linux BSP**

No impact is expected due to the changes mentioned above.

## 5. Contact

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Please contact Toradex if you have any questions.  
For commercial and sales questions, please contact [shop@toradex.com](mailto:shop@toradex.com)  
For technical questions, please contact [support@toradex.com](mailto:support@toradex.com)