

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

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1. Affected Products

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

End of Life Product		Replacement Product	
Part Number	Estimated Schedule	Part Number	Estimated Schedule
00481103	Last time buy (LTB): 2024-10-13	00481104	Samples: July/2024
00491103	Last time ship (LTS): 2025-04-11	00491104	

3. Description of Changes

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

Hardware

- The high level of Jitter typical of MEMS-based oscillators could cause, in certain situations, a negative result on the related Ethernet compliance section. By replacing the ethernet clock source from a MEMS to a crystal-based type these negative results should be solved. Relates to 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

- 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