

Product Change Notification (PCN)

Transition from LM006 USB WiFi V1.0A to LM816 USB WiFi V1.0A

Date of Publication: 2017-11-06

1. Toradex Product Numbers Affected

EOL Product		Replacement Product	
Part Number	Product Name	Part Number	Product Name
21031000	LM006 USB WiFi V1.0A	21041000	LM816 USB WiFi V1.0A

2. Product Phase in / Phase out Schedule

EOL Product		Replacement Product	
Part Number	Estimated Schedule	Part Number	Estimated Schedule
21031000	Product will be sold until inventory is depleted.	21041000	Sample Production now available.

Note: The discontinued product LM006 can still be procured through other distributors. LM Technologies, the manufacturer of the LM006 USB WiFi dongle doesn't discontinue this product. Please have a look at the LM Technologies website for details about distributors:

<http://www.lm-technologies.com/>

3. Description of Changes

From 21031000 LM006 USB WiFi V1.0A to 21041000 LM816 USB WiFi V1.0A:

- Toradex decided to replace the LM006 USB WiFi dongle with the LM816 USB WiFi dongle since we saw an extreme throughput decrease in noisy environment with the LM006. The LM816 has a significantly improved radio design which is less affected by noisy environment.

4. Customer Impact

4.1. Hardware Design

- The new LM816 USB WiFi dongle has other mechanical dimensions than the previously used LM006. Check the respective datasheets for details.

LM006: <http://docs.toradex.com/102747-lm006-usb-wifi-datasheet.pdf>

LM816: <https://docs.toradex.com/104427-lm816-usb-wifi-datasheet.pdf>

4.2. Software

- The two USB WiFi dongles use slightly different chipsets:
LM006: Realtek RTL 8188CUS
LM816: Realtek RTL8188EUS
However, most drivers are able to handle both chipsets. We therefore don't expect any bigger impact on the software side.

4.3. Certifications

- The available certifications for the two USB WiFi dongle are different:
LM006: CE, FCC, TELEC
LM816: CE, FCC, IC

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@toradex.com