

## Product Change Notification (PCN)

May 2, 2019

Dear Customer,

This letter serves as a formal product change notification (PCN) for TechNexion Parts **PICO-IMX6UL/ULL** Family.

This PCN involves changes to wireless functionality and storage options. There is also a part number change to differentiate new products from discontinued products.

### Reason for the Change

In the past several years the ubiquitous popularity of the Internet of Things (IoT) has caused a major shift within our customer base towards configurations that feature more advanced and scalable Wi-Fi and Bluetooth functionalities.

The new **PICO-IMX6UL/ULL** Family answers this need by providing a new wireless solution that offers:

1. Concurrent Wi-Fi (AP and client mode). This is mostly used for initial configuration and device management.
2. Bluetooth 5
3. System on Modules with Wi-Fi capabilities that offer -40~85C operating temperature
4. Regulatory Certification:
  - a. North America : TechNexion Wi-Fi module carry FCC ID : 2AKZA-QCA9377
  - b. Canada : TechNexion Wi-Fi module carry IC ID : 22364-QCA9377
  - c. Japan : TechNexion Wi-Fi module carry TELEC ID : 201-180629
  - d. EU : \*(note)
  - e. Australia / New Zealand : \*(note)

Note : For EU and Australia/New Zealand general module certification has been carried out for ETSI, CE, RED compliance and reports can be requested by email to submit to the customer's local test lab. Complete system certification is still required and TechNexion has a staff of qualified EMC/EMI/RF test engineers available to assist customers with additional certification requests.

## Old / New Part Number Cross Reference Table

New Part Number	Discontinued Part Number	Differences
PICOIMX6Y205R02E04	PICOIMX6G205R256E04	Equal CPU performance. Faster CPU option available
PICOIMX6Y205R02E04TE	PICOIMX6G205R256E04TE	
PICOIMX6Y205R02E04TI	PICOIMX6G205R256E04TI	
PICOIMX6Y205R02E049377	PICOIMX6G205R256E04BB	Same as above + New Certified QCA9377 Wi-Fi + Bluetooth Module
	PICOIMX6G205R256E04BW	
PICOIMX6Y205R02E049377TE	PICOIMX6G205R256E04BBTE	
	PICOIMX6G205R256E04BWTE	
PICOIMX6Y205R02E049377TI	N.A.	Industrial Temperature Wi-Fi + Bluetooth.

New Part Number	Discontinued Part Number	Differences
PICOIMX6Y205R05E04	PICOIMX6G205R512E04	Equal CPU performance. Faster CPU option available
PICOIMX6Y205R05E04TE	PICOIMX6G205R512E04TE	
PICOIMX6Y205R05E04TI	PICOIMX6G205R512E04TI	
PICOIMX6Y205R05E049377	PICOIMX6G205R512E04BB	Same as above + New Certified QCA9377 Wi-Fi + Bluetooth Module
	PICOIMX6G205R512E04BW	
PICOIMX6Y205R05E049377TE	PICOIMX6G205R512E04BBTE	
	PICOIMX6G205R512E04BWTE	
PICOIMX6Y205R05E049377TI	N.A.	Industrial Temperature Wi-Fi + Bluetooth.

## Hardware Changes to migrate to the new revision product

**Baseboard:** No modification required.

**Heatsink:** When using a System-on-Module. Please contact your TechNexion Sales Representative to confirm the correct heatsink part number are compatible with your product.

**Antenna:** Please contact your TechNexion Sales Representative to discuss options available for your use-case.

## Software Changes to migrate to the new Revision Product

The new generation part numbers contain a new Wi-Fi / Bluetooth component which requires a new software driver and firmware to work.

The part numbers with new Wi-Fi / Bluetooth 5 functionality are supported starting from the following software releases:

**Ubuntu LTS 18.04 and beyond**  
**Linux kernel 4.9 and beyond**

NOTE: If you don't use Wi-Fi / Bluetooth you can continue to use your old software.

### Have questions?

Please contact with your TechNexion Representative for assistance with smooth transition to next generation products. Samples of the new part numbers are available in mass production.

Sincerely,

Jonathan Hung  
Product Manager