

Product Change Notification (PCN)

May 2, 2019

Dear Customer,

This letter serves as a formal product change notification (PCN) for TechNexion Parts **PICO-IMX6** 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-IMX6** 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
PICOIMX6S10R05E16	PICOIMX6S10R512NI4G	16GB eMMC instead of 4GB
PICOIMX6S10R05E16TE	PICOIMX6S10R512NI4GTE	
PICOIMX6S08R05E16TI	PICOIMX6S08R512NI4GTI	
PICOIMX6S10R05E169377	PICOIMX6S10R512NI4GGB	Same as above + New Certified QCA9377 Wi-Fi + Bluetooth Module
	PICOIMX6S10R512NI4GBW	
PICOIMX6S10R05E169377TE	PICOIMX6S10R512NI4GGBTE	
	PICOIMX6S10R512NI4GBWTE	
PICOIMX6S08R05E169377TI	N.A.	Industrial Temperature Wi-Fi + Bluetooth.

New Part Number	Discontinued Part Number	Differences
PICOIMX6U10R10E16	PICOIMX6U10R1GBNI4G	16GB eMMC instead of 4GB
PICOIMX6U10R10E16TE	PICOIMX6U10R1GBNI4GTE	
PICOIMX6U08R10E16TI	PICOIMX6U08R1GBNI4GTI	
PICOIMX6U10R10E169377	PICOIMX6U10R1GBNI4GGB	Same as above + New Certified QCA9377 Wi-Fi + Bluetooth Module
	PICOIMX6U10R1GBNI4GBW	
PICOIMX6U10R10E169377TE	PICOIMX6U10R1GBNI4GGBTE	
	PICOIMX6U10R1GBNI4GBWTE	
PICOIMX6U08R10E169377TI	N.A.	Industrial Temperature Wi-Fi + Bluetooth.

New Part Number	Discontinued Part Number	Differences
PICOIMX6Q10R10E16	PICOIMX6Q10R1GBNI4G	16GB eMMC instead of 4GB
PICOIMX6Q10R10E16TE	PICOIMX6Q10R1GBNI4GTE	
PICOIMX6Q10R10E16TI	PICOIMX6Q10R1GBNI4GTI	
PICOIMX6Q10R10E169377	PICOIMX6Q10R1GBNI4GGB	Same as above + New Certified QCA9377 Wi-Fi + Bluetooth Module
	PICOIMX6Q10R1GBNI4GBW	
PICOIMX6Q10R10E169377TE	PICOIMX6Q10R1GBNI4GGBTE	
	PICOIMX6Q10R1GBNI4GBWTE	
PICOIMX6Q10R10E169377TI	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
Android 8.0 Oreo 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