

Description of Permissive Change

The application is prepared for FCC class II permissive change by adding one model with 802.11ac mode , please refer to below table for models list.

Original				
Product	Brand	Model	Difference	Antenna
xPico® 200 Series Wi-Fi® IoT Gateway module	Lantronix	xPico 250	SKU A: SIP with two UFL connectors Wi-Fi Chip and Bluetooth chip	Dipole Antenna (long) Dipole Antenna (short) PCB Antenna
		xPico 240	SKU B: same as SKU A, no BT function.	Dipole Antenna (long) Dipole Antenna (short) PCB Antenna
			SKU C: same SKU B except the two UFLs are replaced by a single on-module stamped metal antenna. Circuit board is the same. BOM population option for UFL or on-module antenna circuit is the difference.	On-board Antenna
Newly				
Product	Brand	Model	Difference	Antenna
xPico® 200 Series Wi-Fi® IoT Gateway module	Lantronix	xPico 270	SIP with two UFL connectors Wi-Fi Chip and Bluetooth chip uses a TCXO in place of the crystal that runs the Wi-Fi radio and add ac mode	Dipole Antenna (long) Dipole Antenna (short) PCB Antenna

add one model name xPico 270, Difference is as follows :

1. Uses a TCXO of the crystal that replace the Transko crystal, for original crystal as same as new crystal frequency(37.4MHz), pin to pin compatible and with same basic function parameters.
2. Add power caps.
3. SW upgrade for add ac mode.
4. xPico 240/250 uses Chip CYW43907 / BCM43907 which has 802.11abgn enabled. xPico 270 has chip CYW54907 which is the same silicon die as CYW43907 except that its embedded software has 802.11ac/abgn enabled. Note that CYW43907 and BCM43907 are the same device. Cypress acquired the Broadcom wireless division and changed the BCM part number prefix to CYW.



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