LANTRONIX

PRODUCT CHANGE NOTICE

Dear Lantronix Customer,

The purpose of this communication is to inform you of the availability of new software release for xPico 240 and xPico 250 embedded Wireless gateways.

Change Type

Software

Products Affected

Orderable Part Numbers (xPico 240)

Part Number	Description	Old Revision	New Revision	Module MPN
XPC240100B-02	XPICO 240 EMBEDDED IOT GW, 802.11 A/B/G/N, ETH, DUAL U.FL, IND TEMP, LGA T&R 250	B11	C11	950-00141
XPC240100S-02	XPICO 240 EMBEDDED IOT GW, 802.11 A/B/G/N, ETH, DUAL U.FL, IND TEMP, LGA T&R 25	B11	C11	950-00141
XPC240200B-02	XPICO 240 EMBEDDED IOT GW, 802.11 A/B/G/N, ETH, ON-MODULE ANT, IND TEMP, LGA T&R 250	B11	C11	950-00142
XPC240200S-02	XPICO 240 EMBEDDED IOT GW, 802.11 A/B/G/N, ETH, ON-MODULE ANT, IND TEMP, LGA T&R 25	B11	C11	950-00142
XPC240300B-02	XPICO 240 EMBEDDED IOT GW, 802.11 A/B/G/N, ETH, DUAL U.FL, IND TEMP, EDGE CONN, TRAY	B11	C11	950-00143
XPC240300S-02	XPICO 240 EMBEDDED IOT GW, 802.11 A/B/G/N, ETH, DUAL U.FL, IND TEMP, EDGE CONN, SINGLE	B11	C11	950-00143
XPC240400B-02	XPICO 240 EMBEDDED IOT GW, 802.11 A/B/G/N, ETH, ON-MODULE ANT, IND TEMP, EDGE CONN, TRAY	B11	C11	950-00144
XPC240400S-02	XPICO 240 EMBEDDED IOT GW, 802.11 A/B/G/N, ETH, ON-MODULE ANT, IND TEMP, EDGE CONN, SINGLE	B11	C11	950-00144
XPC240300EK	XPICO 240 EVALUATION KIT, EMBEDDED IOT GW, DUAL-BAND WI-FI, ETH	G13	H13	950-00143

Orderable Part Numbers (xPico 250)

Part Number	Description	Old Revision	New Revision	Module MPN
XPC250100B-02	XPICO 250 EMBEDDED IOT GW, 802.11 A/B/G/N, ETH, BT 4.2, DUAL U.FL, IND TEMP, LGA T&R 250	B11	C11	950-00145
XPC250100S-02	XPICO 250 EMBEDDED IOT GW, 802.11 A/B/G/N, ETH, BT 4.2, DUAL U.FL, IND TEMP, LGA T&R 25	B11	C11	950-00145
XPC250300B-02	XPICO 250 EMBEDDED IOT GW, 802.11 A/B/G/N, ETH, BT 4.2, DUAL U.FL, IND TEMP, EDGE CONN, TRAY	B11	C11	950-00146

XPC250300S-02	XPICO 250 EMBEDDED IOT GW, 802.11 A/B/G/N, ETH, BT 4.2, DUAL U.FL, IND TEMP, EDGE CONN, SINGLE	B11	C11	950-00146
XPC250300EK	XPICO 250, EVALUATION KIT, EMBEDDED IOT GW, DUAL-BAND WI-FI, ETH, BT 4.2	G13	H13	950-00146

Module Manufacturing Part Numbers (indicated on unit label)

Unit Name (MPN)	Old Revision	New Revision
950-00141	B11	C11
950-00142	B11	C11
950-00143	B11	C11
950-00144	B11	C11
950-00145	B11	C11
950-00146	B11	C11

Description and Extent of Change

Lantronix is pleased to announce the availability of new firmware release **2.0.0.4R14** for xPico 240 and xPico 250 line of embedded Wi-Fi gateways. This release builds upon the capabilities/features of release 2.0.0.1R10 (released only for website downloads). The section below describes key highlights of both these releases.

Key highlights of release 2.0.0.4R14 are:
- Support for Bluetooth SPP (Serial Port Profile) in Master/Client Mode
- SDK application to demonstrate Bluetooth (SPP)
- Support integration with Ethernet switch chips via RMII (Reduced Media Independent Interface) interface
- Support for Bluetooth Classic QuickConnect
- Support for USB Device mode with CDC-ACM – support emulating serial ports over USB
- Support for SPI Slave interface
- Support for EAP authentication for wired Ethernet interface (EAPOL)
- 802.11r Fast Roaming

Key highlights of release 2.0.0.1R10 are:
- Support for PMK Caching (802.11i Wi-Fi Security Enhancement) that enables faster reconnects to previously connected Access Points
- Support for EAP-LEAP Authentication within WLAN profiles – enabling connectivity to legacy Cisco Access Points
- Configurable RSSI Floor value within SmartRoam
- Auto channel selection for Soft AP – firmware selects best channel to operate Soft AP interface without needing additional configuration
- Configurable incoming connections within TruPort Serial (Tunnel) applications to support multiple inbound connections
- Duplicate IP address detection on the LAN connected interfaces (eth0, wlan0)
- Support for native Linux host-based SDK
- SDK applications to demonstrate BLE functionality and APIs

Refer to the release notes for a complete list of additional features and bug fixes.

Effect of Change on Fit, Form, Function, Quality, or Reliability

Functional changes as noted above.

For customers that would like to take advantage of the new capabilities immediately, the new firmware, associated release notes and upgrade instructions are available for download from our website, http://www.lantronix.com/support/downloads.

An updated SDK release is available for download via Lantronix forums (http://forums.lantronix.com).

Effective Date of Change

This change will go into effect for the listed products shipping from Lantronix factory after **February 18, 2019**.

If you have any questions, please contact your sales representative or Lantronix Technical Support at (800) 422-7044 or (949) 453-7198.