

## PRODUCT CHANGE NOTICE

Dear Lantronix Customer,

The purpose of this communication is to inform you of the availability of new software release for xPico Wi-Fi embedded IoT Wi-Fi module.

### **Change Type**

Software

### **Products Affected**

#### Orderable Part Numbers

Part Number	Description	Old Revision	New Revision	Module MPN
XPCW1002100B	XPICO WI-FI W1002 MODULE, 802.11 b/g/n, U.FL ANTENNA, SMT, BULK	B11	C11	XPCW1002100
XPCW1002100S	XPICO WI-FI W1002 MODULE, 802.11 b/g/n, U.FL ANTENNA, SMT, SAMPLE	B11	C11	XPCW1002100
XPCW1002100K	XPICO WI-FI EVALUATION KIT, W1002 MODULE, 802.11 b/g/n, U.FL ANTENNA, SMT	B11	C11	XPCW1002100
XPCW1003100B	XPICO WI-FI W1003 MODULE, 802.11 b/g/n, ON-MODULE ANTENNA, SMT, BULK	B11	C11	XPCW1003100
XPCW1003100S	XPICO WI-FI W1003 MODULE, 802.11 b/g/n, ON-MODULE ANTENNA, SMT, SAMPLE	B11	C11	XPCW1003100
XPCW1003100K	XPICO WI-FI EVALUATION KIT, W1003 MODULE, 802.11 b/g/n, ON-MODULE ANTENNA, SMT	B12	C12	XPCW1003100
XPW100100B-01	XPICO WI-FI W1001 MODULE, 802.11 b/g/n, U.FL ANTENNA, B2B CONNECTOR, BULK	D11	E11	XPW1001000-01
XPW100100S-01	XPICO WI-FI W1001 MODULE, 802.11 b/g/n, U.FL ANTENNA, B2B CONNECTOR, BULK	D11	E11	XPW1001000-01
XPW100100K-01	XPICO WI-FI EVALUATION KIT, W1001 MODULE, 802.11 b/g/n, U.FL ANTENNA, B2B CONNECTOR	D12	E12	XPW1001000-01

#### Module Manufacturing Part Numbers (indicated on unit label)

Unit Name (MPN)	Old Revision	New Revision
XPCW1002100	B13	C13
XPCW1003100	B13	C13
XPW1001000-01	D13	E13

### **Description and Extent of Change**

Lantronix is pleased to announce the availability of new firmware release **1.5.0.3R3** for xPico Wi-Fi embedded Wi-Fi module. This release builds upon the capabilities/features of release 1.5.0.0R43 (released only for website downloads). The section below describes key highlights of both these releases.

Key highlights of 1.5.0.3R3 release are:

- Re-enabled RNDIS and USB (RNDIS) to Wi-Fi bridging modes
- Support for native Linux host SDK
- usb\_acm module added back into Packager and SDK
- Configurable DHCP Server address range
- Clock UTC Offset changes now take immediate effect

Key highlights of 1.5.0.0R43 release are:

- Corrected KRACK WPA2 Vulnerability - Wi-Fi Protected Access CVE- Group 1 and Group 2
- Separate Wi-Fi interface status and configuration pages in Web UI
- Configurable DNS redirect, NTP Sync Frequency
- Configurable Wi-Fi Roaming parameters (Scan Period and Trigger Delta), Max Volley Delay, Radio Power Control
- Support for role-based access control (multiple users) and HTTP Security
- SSL/TLS Client Enhancements (support for RFC 3546), Support SSL/TLS Client within SDK
- Support for SMTP module and operation within TruPort Socket (Mux), UTF-8 charset for sending email
- Support for TruPort Socket (Mux) Connect in non-blocking mode
- Added devfs implementation. Provide read and write access to serial lines via the file system
- Support for WLAN Quick Connect to handle special characters within SSID

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**

Affected products will begin shipping with the new software from Lantronix starting February 1, 2019.

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