

TCB**GRANT OF EQUIPMENT
AUTHORIZATION****TCB****Certification****Issued Under the Authority of the
Federal Communications Commission****By:****Siemic Inc.
775 Montague Expressway
Milpitas, CA 95035****Date of Grant: 10/27/2017****Application Dated: 10/27/2017****Iantronix
7535 Irvine Center Drive
Suite 100
Irvine, CA 92618****Attention: Daryl Miller , VP of Engineering****NOT TRANSFERABLE**

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for the equipment identified hereon for use under the Commission's Rules and Regulations listed below.

FCC IDENTIFIER: R68XPICO200
Name of Grantee: Iantronix
Equipment Class: **Unlicensed National Information
Infrastructure TX**
Notes: **xPico 200 Series Wi-Fi IoT Gateway module**
Modular Type: **Single Modular**

<u>Grant Notes</u>	<u>FCC Rule Parts</u>	<u>Frequency Range (MHZ)</u>	<u>Output Watts</u>	<u>Frequency Tolerance</u>	<u>Emission Designator</u>
38 CC	15E	5180.0 - 5240.0	0.069		
38 CC ND	15E	5260.0 - 5320.0	0.069		
38 CC ND	15E	5500.0 - 5700.0	0.064		
38 CC	15E	5745.0 - 5825.0	0.067		

Single module approval. Power Output listed is conducted. Device contains 20/40MHz bandwidth. The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

38: This device has shown compliance, in all grant-listed U-NII sub-bands, with the new rules for U-NII devices adopted under Docket No. 13-49 and may be marketed, manufactured or imported after the June 1, 2016 transition deadline.

CC: This device is certified pursuant to two different Part 15 rules sections.

ND: This UNII device complies with the Transmit Power Control (TPC) and Dynamic Frequency Selection (DFS) requirements in Section 15.407(h).

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VALID ONLY for the equipment identified hereon for use under the Commission's
Rules and Regulations listed below.

FCC IDENTIFIER: R68XPICO200
Name of Grantee: Iantronix
Equipment Class: Digital Transmission System
Notes: xPico 200 Series Wi-Fi IoT Gateway module
Modular Type: Single Modular

<u>Grant Notes</u>	<u>FCC Rule Parts</u>	<u>Frequency Range (MHZ)</u>	<u>Output Watts</u>	<u>Frequency Tolerance</u>	<u>Emission Designator</u>
CC	15C	2402.0 - 2480.0	0.004		
CC	15C	2412.0 - 2462.0	0.296		

Single module approval. Power Output listed is conducted. The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

CC: This device is certified pursuant to two different Part 15 rules sections.

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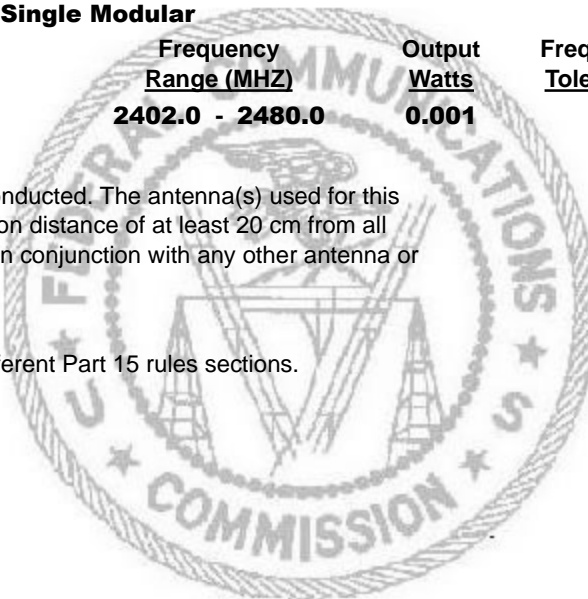
EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for the equipment identified hereon for use under the Commission's Rules and Regulations listed below.

FCC IDENTIFIER: R68XPICO200
Name of Grantee: Iantronix
Equipment Class: Part 15 Spread Spectrum Transmitter
Notes: xPico 200 Series Wi-Fi IoT Gateway module
Modular Type: Single Modular

<u>Grant Notes</u>	<u>FCC Rule Parts</u>	<u>Frequency Range (MHZ)</u>	<u>Output Watts</u>	<u>Frequency Tolerance</u>	<u>Emission Designator</u>
CC	15C	2402.0 - 2480.0	0.001		

Single module approval. Power Output listed is conducted. The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

CC: This device is certified pursuant to two different Part 15 rules sections.



EU Declaration of Conformity (DoC)

Hereby we,

Name of manufacturer: Lantronix, Inc.
Address: 7535 Irvine Center Drive Suite 100, Irvine CA 92618
Zip code & City: 92618 California
Country: United States
Telephone number: 949 453 7109

declare that this DoC is issued under our sole responsibility and that this product:

Product description: xPico® 200 Series Wi-Fi® IoT Gateway
Type designation(s): xPico 250, xPico 240
Trademark: Lantronix

Object of the declaration xPico® 200 Series Wi-Fi® IoT Gateway with WIFI and Bluetooth

is in conformity with the relevant Union harmonization legislation:

Radio Equipment directive: **2014 / 53 / EU**

and other Union harmonization legislation where applicable:

with reference to the following standards applied:

Draft EN 301 489-1 V2.0.0 (2017-03)
Draft EN 301 489-17 V3.2.0 (2017-03)
EN 300 328 V2.1.1 (2016-11)
EN 301 893 V2.1.1 (2017-05)
EN 62311:2008
EN 62368-1:2014

The Notified Body SIEMIC, with Notified Body number 2200 performed:

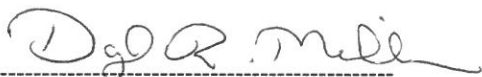
[choose applicable Modules: B+C]

Where applicable:

The issued the EU-type examination certificate: [note certificate number]

Model	SW Version (Radio FW)
xPico 240	7.15.168.87
xPico 250	7.15.168.87

Signed for and on behalf of: 2017/10/25



Daryl Robert Miller / VP of Engineering
Lantronix, Inc.
TEL: 949-453-7127
FAX: 949-453-3995
E-mail: darylmi@lantronix.com

CERTIFICATE OF CONFORMITY



Equipment: xPico® 200 Series Wi-Fi® IoT Gateway

Brand Name: LANTRONIX

Test Model No.: xPico 240, xPico 250

Applicant: Lantronix, Inc.

Test Report No.: LD170513E01



We, **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, declare that the equipment above has been tested in our facility and found compliance with the requirement limits of applicable standards, in accordance with the Directive 2014/35/EU*. The test record, data evaluation and Equipment Under Test (EUT) configurations represented herein are true and accurate under the standards herein specified.

EN 62368-1:2014

*: Manufacturer internal production control ensures and declares on their sole responsibility that the electrical equipment concerned satisfy the requirements of this EC Low Voltage Directive, Annex III, Module A that apply to it.

Hades Lee / Associate Technical Manager
2017-10-02



无线电发射设备
Radio Transmission Equipment
型号核准证
Type Approval Certificate

美国 Lantronix, Inc.:

根据《中华人民共和国无线电管理

In accordance with the provisions on the Radio

条例》，经审查，下列无线电发射设备

Regulations of the People's Republic of China , the following

符合中华人民共和国无线电管理规定和

radio transmission equipment , after examination , conforms

技术标准，其核准代码为：CMIIT ID: 2017AJ6665 (M)

to the provisions with its CMIIT ID:

有效期：五年
Validity



Sealed by issuing authority

2017年10月27日
Year Month Date

编号: 2017-6665

Number

设备名称: 5.8GHz/5.1GHz/2.4GHz无线局域网/蓝牙模块
Equipment Name

设备型号: xPico 250
Equipment Type

主要功能: 数据传输
Main Functions

GFSK $\pi/4$ -DQPSK 8DPSK

调制方式: BPSK/QPSK/16QAM/64QAM/DBPSK/DQPSK/CCK
Modulation Mode

主要技术参数及其指标值:
Main Technical Parameters

频率范围: 5725-5850MHz 5150-5350MHz 2400-2483.5MHz
Frequency Range

频率容限: $\leq 20\text{ppm}$
Frequency Tolerance

发射功率: $\leq 33\text{dBm}$ $\leq 23\text{dBm}$ (EIRP)
Transmitting Power $\leq 20\text{dBm}$ (EIRP)

占用带宽: $\leq 40\text{MHz}$ $\leq 22\text{MHz}$
Occupied Bandwidth $\leq 2\text{MHz}$

杂散发射限值: $\leq -30\text{dBm}$
Spurious Emission Limits



(核发单位章)

Sealed by issuing authority

2017 年 10 月 27 日

Year Month Date

无线电发射设备
Radio Transmission Equipment
型号核准证
Type Approval Certificate

美国 Lantronix, Inc.:

根据《中华人民共和国无线电管理

In accordance with the provisions on the Radio

条例》，经审查，下列无线电发射设备

Regulations of the People's Republic of China , the following

符合中华人民共和国无线电管理规定和

radio transmission equipment , after examination , conforms

技术标准，其核准代码为：CMIIT ID: 2017AJ6663 (M)

to the provisions with its CMIIT ID:

有效期：

Validity

五年



Sealed by issuing authority

2017年10月27日

Year Month Date

编号: 2017-6663

Number

设备名称: 5.8GHz/5.1GHz/2.4GHz无线局域网模块
Equipment Name

设备型号: xPico 240
Equipment Type

主要功能: 数据传输
Main Functions

调制方式: BPSK/QPSK/16QAM/64QAM/DBPSK/DQPSK/CCK
Modulation Mode

主要技术参数及其指标值:
Main Technical Parameters

频率范围: 5725-5850MHz 5150-5350MHz 2400-2483.5MHz
Frequency Range

频率容限: $\leq 20\text{ppm}$
Frequency Tolerance

发射功率: $\leq 33\text{dBm}$ $\leq 23\text{dBm}$ (EIRP)
Transmitting Power

占用带宽: $\leq 40\text{MHz}$ $\leq 22\text{MHz}$
Occupied Bandwidth

杂散发射限值: $\leq -30\text{dBm}$
Spurious Emission Limits



(核发单位章)

Sealed by issuing authority

2017 年 10 月 27 日

Year Month Date

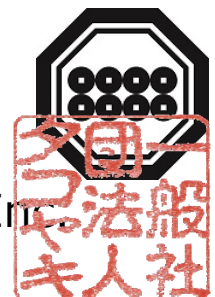
Type Certificate

Certified dealer	Lantronix Inc
Type of RF equipment	Article 2-1-19-3, Radio equipment Low power data communication system 5.2/5.3GHz Band Indoor use only
Type of emission Frequency RF output power	D1D,G1D 5.18~5.32GHz(20MHz interval 8 channels) 0.0025W/MHz D1D,G1D 5.19,5.23,5.27,5.31GHz 0.0012W/MHz
Model name	xPico 250 or xPico 240
Vendor name	Lantronix Inc
Certified number	020-170133
Certified date	2017/10/13
Remarks	

This is certificate that has been granted in accordance with the provisions of
Article 38-24, Paragraph 1 of the Radio Law.

Date of issue: 2017/10/13

TACOYAKI, Inc.



認 証 書

認証を受けた者	Lantronix Inc
特定無線設備の種別	第2条第1項第19号の3に掲げる無線設備 小電力データ通信システム 5.2/5.3GHz帯 屋内利用限定
電波の型式 周波数の範囲 空中線電力	D1D,G1D 5.18~5.32GHz(20MHz間隔8波) 0.0025W/MHz D1D,G1D 5.19,5.23,5.27,5.31GHz 0.0012W/MHz
型式又は名称	xPico 250 又は xPico 240
販売業者	Lantronix Inc
認証番号	020-170133
認証年月日	2017/10/13
備考	

上記のとおり、電波法第38条の24第1項の規定による特定無線設備の
工事設計についての認証を行ったものであることを証する。

発行年月日 2017/10/13

一般社団法人



Type Certificate

Certified dealer	Lantronix Inc
Type of RF equipment	Article 2-1-19-3-2, Radio equipment Low power data communication system 5.6GHz Band
Type of emission Frequency RF output power	D1D,G1D 5.50~5.70GHz(20MHz interval 11 channels) 0.002W/MHz D1D,G1D 5.51~5.67GHz(40MHz interval 5 channels) 0.001W/MHz
Model name	xPico 250 or xPico 240
Vendor name	Lantronix Inc
Certified number	020-170133
Certified date	2017/10/13
Remarks	

This is certificate that has been granted in accordance with the provisions of
Article 38-24, Paragraph 1 of the Radio Law.

Date of issue: 2017/10/13

TACOYAKI, Inc



認 証 書

認証を受けた者	Lantronix Inc
特定無線設備の種別	第2条第1項第19号の3の2に掲げる無線設備 小電力データ通信システム 5.6GHz帯
電波の型式 周波数の範囲 空中線電力	D1D,G1D 5.50~5.70GHz(20MHz間隔11波) 0.002W/MHz D1D,G1D 5.51~5.67GHz(40MHz間隔5波) 0.001W/MHz
型式又は名称	xPico 250 又は xPico 240
販売業者	Lantronix Inc
認証番号	020-170133
認証年月日	2017/10/13
備考	

上記のとおり、電波法第38条の24第1項の規定による特定無線設備の
工事設計についての認証を行ったものであることを証する。

発行年月日 2017/10/13

一般社団法人タニテック



Type Certificate

Certified dealer	Lantronix Inc
Type of RF equipment	Article 2-1-19, Radio equipment Wide_band_low_power_data_communication_system 2.4GHzBand2,400~2,483.5MHz
Type of emission Frequency RF output power	G1D 2412~2472MHz(5MHz interval 13 channels) 0.006W/MHz D1D,G1D 2412~2472MHz(5MHz interval 13 channels) 0.004W/MHz F1D,G1D 2441MHz 0.00002~0.0001W/MHz F1D 2402~2480MHz(2MHz interval 40 channels) 0.004W
Model name	xPico 250 or xPico 240
Vendor name	Lantronix Inc
Certified number	020-170133
Certified date	2017/10/13
Remarks	

This is certificate that has been granted in accordance with the provisions of
Article 38-24, Paragraph 1 of the Radio Law.

Date of issue: 2017/10/13

TACOYAKI, Inc.



認 証 書

認証を受けた者	Lantronix Inc
特定無線設備の種別	第2条第1項第19号に掲げる無線設備 高度化小電力データ通信システム 2.4GHz帯2,400~2,483.5MHz
電波の型式 周波数の範囲 空中線電力	G1D 2412~2472MHz(5MHz間隔13波) 0.006W/MHz D1D,G1D 2412~2472MHz(5MHz間隔13波) 0.004W/MHz F1D,G1D 2441MHz 0.00002~0.0001W/MHz F1D 2402~2480MHz(2MHz間隔40波) 0.004W
型式又は名称	xPico 250 又は xPico 240
販売業者	Lantronix Inc
認証番号	020-170133
認証年月日	2017/10/13
備考	

上記のとおり、電波法第38条の24第1項の規定による特定無線設備の
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発行年月日 2017/10/13

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