GRANT OF EQUIPMENT AUTHORIZATION

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

lantronix
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: lantronix
Equipment Class: Unlicensed National Information Infrastructure TX
Notes: xPico 200 Series Wi-Fi IoT Gateway module
Modular Type: Single Modular

<table>
<thead>
<tr>
<th>Grant Notes</th>
<th>FCC Rule Parts</th>
<th>Frequency Range (MHz)</th>
<th>Output Watts</th>
<th>Frequency Tolerance</th>
<th>Emission Designator</th>
</tr>
</thead>
<tbody>
<tr>
<td>38 CC</td>
<td>15E</td>
<td>5180.0 - 5240.0</td>
<td>0.069</td>
<td></td>
<td></td>
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<tr>
<td>38 CC ND</td>
<td>15E</td>
<td>5260.0 - 5320.0</td>
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<tr>
<td>38 CC ND</td>
<td>15E</td>
<td>5500.0 - 5700.0</td>
<td>0.064</td>
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<tr>
<td>38 CC</td>
<td>15E</td>
<td>5745.0 - 5825.0</td>
<td>0.067</td>
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</tr>
</tbody>
</table>

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).
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: lantronix

Equipment Class: Digital Transmission System

Notes: xPico 200 Series Wi-Fi IoT Gateway module

Modular Type: Single Modular

<table>
<thead>
<tr>
<th>Grant Notes</th>
<th>FCC Rule Parts</th>
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<th>Frequency Tolerance</th>
<th>Emission Designator</th>
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<tbody>
<tr>
<td>CC</td>
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<td>CC</td>
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<td>2412.0 - 2462.0</td>
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</table>

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.
GRANT OF EQUIPMENT AUTHORIZATION

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Issued Under the Authority of the
Federal Communications Commission

By:

Siemic Inc.
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Date of Grant: 10/27/2017
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lantronix
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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:** lantronix

**Equipment Class:** Part 15 Spread Spectrum Transmitter

**Notes:** xPico 200 Series Wi-Fi IoT Gateway module

**Modular Type:** Single Modular

<table>
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<tr>
<th>Grant Notes</th>
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<th>Frequency Tolerance</th>
<th>Emission Designator</th>
</tr>
</thead>
<tbody>
<tr>
<td>CC</td>
<td>15C</td>
<td>2402.0 - 2480.0</td>
<td>0.001</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:
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]

<table>
<thead>
<tr>
<th>Model</th>
<th>SW Version (Radio FW)</th>
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</thead>
<tbody>
<tr>
<td>xPico 240</td>
<td>7.15.168.87</td>
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<tr>
<td>xPico 250</td>
<td>7.15.168.87</td>
</tr>
</tbody>
</table>

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: darilym@lantronix.com
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

No.19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City,
TAIWAN. Tel: 886-3-3183232 Fax: 886-3-3270892
http://www.bureauveritas-adt.com / E-Mail: service.adt@tw.bureauveritas.com
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条例》
In accordance with the provisions on the Radio Regulations of the People’s Republic of China, the following radio transmission equipment, after examination, conforms to the provisions with its CMIIT ID:

技术标准，其核准代码为：CMIIT ID: 2017AJ6665(M)

有效期：五年

2017年10月27日
Year Month Date

Sealed by Issuing authority
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 π/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： 20ppm
Frequency Tolerance

占用带宽： 40MHz 22MHz
Occupied Bandwidth

发射功率： 33dBm 23dBm (EIRP)
Transmitting Power

杂散发射限值： -30dBm
Spurious Emission Limits

编号：2017-6665
Number

(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条例》
In accordance with the provisions on the Radio 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：五年
Validity 五年

2017年10月27日
Year Month Date

(发证机关)
Sealed by issuing authority
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：≤20ppm
Frequency Tolerance

发射功率：≤33dBm ≤23dBm（EIRP）
Transmitting Power

占用带宽：≤40MHz ≤22MHz
Occupied Bandwidth

杂散发射限值：≤30dBm
Spurious Emission Limits
## Type Certificate

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

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
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 | D1D,G1D  
周波数の範囲 | 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  
一般社団法人タコヤキ
### Type Certificate

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<tr>
<th>Certified dealer</th>
<th>Lantronix Inc</th>
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</thead>
<tbody>
<tr>
<td><strong>Type of RF equipment</strong></td>
<td>Article 2-1-19-3-2, Radio equipment</td>
</tr>
<tr>
<td></td>
<td>Low power data communication system 5.6GHz Band</td>
</tr>
<tr>
<td><strong>Type of emission</strong></td>
<td>D1D,G1D 5.50~5.70GHz (20MHz interval 11 channels) 0.002W/MHz</td>
</tr>
<tr>
<td><strong>Frequency</strong></td>
<td>D1D,G1D 5.51~5.67GHz (40MHz interval 5 channels) 0.001W/MHz</td>
</tr>
<tr>
<td><strong>RF output power</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Model name</strong></td>
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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
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

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

一般社団法人タコヤキ
# Type Certificate

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<tr>
<td>Type of emission</td>
<td>Article 2-1-19, Radio equipment</td>
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<tr>
<td>Frequency</td>
<td>Wide_band_low_power_data_communication_system 2.4GHz Band 2, 2400~2,483.5MHz</td>
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<tr>
<td>RF output power</td>
<td>xPico 250 or xPico 240</td>
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<tr>
<td>Model name</td>
<td>Lantronix Inc</td>
</tr>
<tr>
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<td>第2条第1項第19号に掲げる無線設備</td>
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<tr>
<td>周波数の範囲</td>
<td>高度化小電力データ通信システム 2.4GHz帯2,400~2,483.5MHz</td>
</tr>
<tr>
<td>電波の型式</td>
<td>G1D 2412~2472MHz(5MHz間隔13波) 0.006W/MHz</td>
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<tr>
<td>周波数の範囲</td>
<td>D1D,G1D 2412~2472MHz(5MHz間隔13波) 0.004W/MHz</td>
</tr>
<tr>
<td>空中線電力</td>
<td>F1D,G1D 2441MHz 0.00002~0.0001W/MHz</td>
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<td>周波数の範囲</td>
<td>F1D 2402~2480MHz(2MHz間隔40波) 0.004W</td>
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<tr>
<td>型式又は名称</td>
<td>xPico 250 又は xPico 240</td>
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<tr>
<td>販売業者</td>
<td>Lantronix Inc</td>
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<tr>
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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