

Certificate

of
Radio Equipment in JAPAN

No: 201-200880 / 00

Telefication, operating as Conformity Assessment Body (CAB ID Number: 201) with respect to Japan, declares that the listed product complies with the Technical Regulations Conformity Certification of Specified Radio equipment (ordinance of MPT N° 37,1981)

Product description: **xPico 270 Embedded IOT Gateway**
Trademark: **Lantronix**
Type designation: **xPico 270**
Hardware / Software version: **11 / D**

Manufacturer: **Lantronix, Inc.**

Address: **7535 Irvine Center Drive, Suite 100, Irvine CA 92618 USA**
City: **CA**
Country: **USA**

This certificate is granted to:

Name: **Lantronix, Inc.**
Address: **7535 Irvine Center Drive, Suite 100, Irvine CA 92618 USA**
City: **CA**
Country: **USA**

This certificate has **THREE** Annexes.

Zevenaar, 20 November 2020

CAB



David Chen
Product Assessor





- The validity of this Certificate is limited to products, which are equal to the one examined in the type-examination
- When the manufacturer (or holder of this certificate) is placing the product on the Japanese market, the product must be affixed with the following Specified Radio Equipment marking:



R 201-200880

Remarks and observations

The following conditions are applicable:

Antennas for IEEE 802.11a/b/g/n/ac & Bluetooth:

Dipole antenna, max gain of 2 dBi at 2.4 GHz and max gain of 2 dBi at 5 GHz

Documentation lodged for this type-examination

Test Reports:

- SHENZHEN MORLAB COMMUNICATIONS TECHNOLOGY Co., Ltd.: SZ20100216W01, 19 November 2020
- SHENZHEN MORLAB COMMUNICATIONS TECHNOLOGY Co., Ltd.: SZ20100216W02, 19 November 2020
- SHENZHEN MORLAB COMMUNICATIONS TECHNOLOGY Co., Ltd.: SZ20100216W03, 19 November 2020
- SHENZHEN MORLAB COMMUNICATIONS TECHNOLOGY Co., Ltd.: SZ20100216W04, 19 November 2020

Product Documentation:

- Assembly drawings
- Bill of materials
- Block diagram
- Electrical diagrams
- Antenna specifications
- Internal photos
- External photos
- Manual
- Production quality
- Test setup photos

Technical Standards and Specifications

The product shows no non-compliances with:

- Equipment Radio Regulations: 2008 (including amendments)

Chapter I, General Provisions

Chapter II, Transmitting equipment

Chapter III, Receiving Equipment

Chapter IV, section 4.17 article 49.20

Radio equipment specified in:

Item 19, Paragraph 1, Article 2

Item 19-3, Paragraph 1, Article 2

Technical features and characteristics

The product includes the following features and characteristics:

Bluetooth

- Operating frequency range: 2402-2480 MHz (79 channels)
- ITU designation: 78M4 F1D,G1D
- Maximum output power: 0.01 mW/MHz rated

Bluetooth LE

- Operating frequency range: 2402-2480 MHz (40 channels)
- ITU designation: 1M09 F1D
- Maximum output power: 2.0 mW rated

IEEE 802.11b

- Operating frequency range: 2412-2472 MHz (13 channels)
- ITU designation: 11M8 G1D
- Maximum output power: 8.0 mW/MHz rated

IEEE 802.11g

- Operating frequency range: 2412-2472 MHz (13 channels)
- ITU designation: 16M5 D1D,G1D
- Maximum output power: 8.0 mW/MHz rated

IEEE 802.11n 20 MHz

- Operating frequency range: 2412-2472 MHz (13 channels)
- ITU designation: 17M7 D1D,G1D
- Maximum output power: 8.0 mW/MHz rated

IEEE 802.11a

- Operating frequency range: 5180-5240 MHz (4 channels)
- ITU designation: 17M9 D1D,G1D
- Maximum output power: 2.0 mW/MHz rated

IEEE 802.11n 20 MHz

- Operating frequency range: 5180-5240 MHz (4 channels)
- ITU designation: 18M6 D1D,G1D
- Maximum output power: 2.0 mW/MHz rated

IEEE 802.11n 40 MHz

- Operating frequency range: 5190-5230 MHz (2 channels)
- ITU designation: 37M4 D1D,G1D
- Maximum output power: 1.0 mW/MHz rated

IEEE 802.11ac (VHT20)

- Operating frequency range: 5180-5240 MHz (4 channels)
- ITU designation: 18M2 D1D,G1D
- Maximum output power: 2.0 mW/MHz rated

IEEE 802.11ac (VHT40)

- Operating frequency range: 5190-5230 MHz (2 channels)
- ITU designation: 36M3 D1D,G1D
- Maximum output power: 1.0 mW/MHz rated

IEEE 802.11ac (VHT80)

- Operating frequency range: 5210-5210 MHz
- ITU designation: 75M6 D1D,G1D
- Maximum output power: 0.5 mW/MHz rated

IEEE 802.11a

- Operating frequency range: 5260-5320 MHz (4 channels)
- ITU designation: 17M1 D1D,G1D
- Maximum output power: 2.0 mW/MHz rated

IEEE 802.11n 20 MHz

- Operating frequency range: 5260-5320 MHz (4 channels)
- ITU designation: 18M3 D1D,G1D
- Maximum output power: 2.0 mW/MHz rated

IEEE 802.11n 40 MHz

- Operating frequency range: 5270-5310 MHz (2 channels)
- ITU designation: 36M4 D1D,G1D
- Maximum output power: 1.0 mW/MHz rated

IEEE 802.11ac (VHT20)

- Operating frequency range: 5260-5320 MHz (4 channels)
- ITU designation: 18M0 D1D,G1D
- Maximum output power: 2.0 mW/MHz rated

IEEE 802.11ac (VHT40)

- Operating frequency range: 5270-5310 MHz (2 channels)
- ITU designation: 36M2 D1D,G1D
- Maximum output power: 1.0 mW/MHz rated

IEEE 802.11ac (VHT80)

- Operating frequency range: 5290-5290 MHz
- ITU designation: 75M6 D1D,G1D
- Maximum output power: 0.5 mW/MHz rated

IEEE 802.11a

- Operating frequency range: 5500-5720 MHz (12 channels)
- ITU designation: 17M1 D1D,G1D
- Maximum output power: 2.0 mW/MHz rated

IEEE 802.11n 20 MHz

- Operating frequency range: 5500-5720 MHz (12 channels)
- ITU designation: 18M1 D1D,G1D
- Maximum output power: 2.0 mW/MHz rated

IEEE 802.11n 40 MHz

- Operating frequency range: 5510-5710 MHz (6 channels)
- ITU designation: 36M3 D1D,G1D
- Maximum output power: 1.0 mW/MHz rated

IEEE 802.11ac (VHT20)

- Operating frequency range: 5500-5720 MHz (12 channels)
- ITU designation: 18M1 D1D,G1D
- Maximum output power: 2.0 mW/MHz rated

IEEE 802.11ac (VHT40)

- Operating frequency range: 5510-5710 MHz (6 channels)
- ITU designation: 36M3 D1D,G1D
- Maximum output power: 1.0 mW/MHz rated

IEEE 802.11ac (VHT80)

- Operating frequency range: 5530-5690 MHz (3 channels)
- ITU designation: 75M6 D1D,G1D
- Maximum output power: 0.5 mW/MHz rated



The product as described in this Certificate includes the following type designations:

- Product description: xPico 270 Embedded IOT Gateway
- Trademark: Lantronix
- Type designation: xPico 270
- Hardware version: 11
- Software version: D