Czech Metrology Institute
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Notified Body Id. No.:1383

V 3136

TESTCOM – Certifiying Body for Certification of Products No. 3136,
accredited by CAI according to ČSN EN ISO/IEC 17065:2013
Hvožďanská 3, 148 00 Praha 4; phone: +420 271 192 158, e-mail: fsebek@cmi.cz

EU-type examination C E R T I F I C A T E

(Radio Equipment Directive 2014/53/EU, Annex III)

No. 0120-CC-V0003-18

Product:	Base/terminal station – 5GHz high performance RLAN
Trade name / brand name	5GHz high performance RLAN
Model / Type:	**Um/5X.500.2x500**
	Xm/5X.500.2x500.2x23
	Xm/5X.500.2x500.2x28
Manufacturer	Infinet Wireless LLC
Manufacturer address:	Vavilova Str. 69/75, office 425,
	117 997 Moscow, Russian Federation
Software version:	FW firmware.H12S10v1.6.2 License.Um.SN-xxxxx pro modely Um/5X.500.2x500 License.Xm23.SN-xxxxxx pro modely Xm/5X.500.2x500.2x23 License.Xm28.SN-xxxxxx pro modely Xm/5X.500.2x500.2x28;
Hardware version:	Um/5X.500.2x500,Xm/5X.500.2x500.2x23,Xm/5X.500.2x500.2x28
Frequency bands of operation:	5 470 - 5 725 MHz (range 1) & 5 725 - 5 875 MHz (range 2)

The Notified Body No.:1383 - Czech Metrology Institute,
after the examination of the technical documentation as drawn by the manufacturer,
announces
that the essential requirements of Article 3.1a, 3.1b and Article 3.2
of Radio Equipment Directive 2014/53/EU (Government Decree No.: 426/2016 Coll.).
have been met.

The conformity assessment on the radio equipment listed above and as described in Annex 1 to this EU-type examination certificate has been carried out in accordance with Annex III (module B) of RADIO Equipment Directive 2014/53/EU (Government Decree No.: 426/2016 Coll., Annex 3).

A list of documentation forming the basis for the EU-type examination is provided in Annex 2 to this EU-type examination certificate.

This EU-type Examination certificate relates only to the documents as provided to CMI.

Brno, April 9, 2018

Český metrologický institut NOTIFIKOVANÁ OSOBA AQ 250 1383
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Dr. Pavel Klenovský
Head of Notified Body and
Director General

Annex 1 to EU-type examination certificate for RED 2014/53/EU

No.: 0120-CC-V0003-18

Model: Um/5X.500.2x500

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Date of issue: March 29, 2018

Base / terminal stations for use in RLAN data networks in the 5,470 - 5,875 GHz range.
They are manufactured in variants with integrated antenna and output to connector (N)..
Communication reach: 100+ km in direct vision conditions
Max. data rate of 480 Mbps
Modulation from QPSK to 1024QAM
Output power regulated: 0 to +36 dBm
Receiver sensitivity: -94 dBm.
Integrated dual polarisation antennas, gain of 23 dBi and 28 dBi.

Details of operation:

Frequency range: 5 470-5 725 MHz (range 1) and 5 725-5 875 MHz (range 2)

Type of modulation: 10 modulation schemes from QPSK to 1024QAM

Channel bandwidth: 10 / 20 / 40 MHz

EIRP RF Power: 30 dBm (range 1); 33/36 dBm (range 2)

Maximal net throughput: 480 Mbps net aggregated

Sensivity: down to -94 dBm

Power supply: 110 - 240 VAC / 47-63 Hz

(power supply: MIT-09G-56, Made in Taiwan)

Environmental:

Outdoor Units ….- 40° to +60°C, 100% humidity, condensing

Indoor Units … 0°to +40°C, 95% humidity, non-condensing

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Annex 2 to EU-type examination certificate for RED 2014/53/EU

No.: 0120-CC-V0003-18

Model: Um/5X.500.2x500

Xm/5X.500.2x500.2x23

Xm/5X.500.2x500.2x28

Date of issue: March 29, 2018

1. Test report:	**Report number:**	**Dated:**
RA	8551-PT-R0030A-18	April 3, 2018
RA	8551-PT-R0030B-18	April 3, 2018
RA	8551-PT-R0031A-18	April 3, 2018
RA	8551-PT-R0031B-18	April 3, 2018
RA	8551-PT-R0032A-18	April 3, 2018
RA	8551-PT-R0032B-18	April 3, 2018
EMC	8551-PT-E0030-18	February 15, 2018
EMC	8551-PT-E0031-18	February 15, 2018
EMC	8551-PT-E0032-18	February 15, 2018
Product Safety	8551-PT-B0030-18	February 28, 2018
RF safety	Manufacturer Calculation	March 15, 2018

2. Certificate: - - -

3. Technical Documentation provided:

InfiNet Wireless Product Matrix
InfiNet Wireless InfiLINK XG Um/5X.500.2x500 - Hardware Description
InfiNet Wireless InfiLINK XG Xm/5X.500.2x500.2x23 - Hardware Description
InfiNet Wireless InfiLINK XG Xm/5X.500.2x500.2x28 - Hardware Description
InfiNet Wireless InfiLINK XG Um/5X.500.2x500 - Circuit schemas
InfiNet Wireless InfiLINK XG Xm/5X.500.2x500.2x23 - Circuit schemas
InfiNet Wireless InfiLINK XG Xm/5X.500.2x500.2x28 - Circuit schemas
InfiNet Wireless InfiLINK XG Um/5X.500.2x500 - Bill of Materials
InfiNet Wireless InfiLINK XG Xm/5X.500.2x500.2x23 - Bill of materials
InfiNet Wireless InfiLINK XG Xm/5X.500.2x500.2x28 - Bill of Materials

4. Standards used to demonstrate conformity with the essential requirements of Radio Equipment Directive 2014/53/EU:

Radio Spectrum ((Article 3.2):	ETSI EN 301 893-1 V2.1.1 ETSI EN 300 502 V2.1.1
EMC (Article 3.1.b):	ETSI EN 301 489-1 V1.9.2 ETSI EN 301 489-17 V2.2.1
Product Safety (Article 3.1a)	ČSN EN 60 950-1, ed.2:2006 +A1:2010, +A11:2009, +A12:2011, +A2:2014, +Opr.1:2012, +Z1:2016
RF Safety (Article 3.1a)	EN 62311: 2008

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Additional information:

This is Class 2 device.

Radio Equipment Directive 2014/53/EU, Article 10.4: Manufacturers shall keep the technical documentation and the EU declaration of conformity for 10 years after the radio equipment has been placed on the market.

Radio Equipment Directive 2014/53/EU, Article 10.6: Manufacturers shall ensure that radio equipment which they have placed on the market bears a type, batch or serial number or other element allowing its identification, or, where the size or nature of the radio equipment does not allow it, that the required information is provided on the packaging, or in a document accompanying the radio equipment.

Radio Equipment Directive 2014/53/EU, Article 10.7: Manufacturers shall indicate on the radio equipment their name, registered trade name or registered trade mark and the postal address at which they can be contacted or, where the size or nature of radio equipment does not allow it, on its packaging, or in a document accompanying the radio equipment. The address shall indicate a single point at which the manufacturer can be contacted. The contact details shall be in a language easily understood by end-users and market surveillance authorities.

Radio Equipment Directive 2014/53/EU, Article 10.8: Manufacturers shall ensure that the radio equipment is accompanied by instructions and safety information in a language which can be easily understood by consumers and other end-users, as determined by the Member State concerned. Instructions shall include the information required to use radio equipment in accordance with its intended use. Such information shall include, where applicable, a description of accessories and components, including software, which allow the radio equipment to operate as intended. Such instructions and safety information, as well as any labelling, shall be clear, understandable and intelligible.

The following information shall also be included in the case of radio equipment intentionally emitting radio waves:

(a) frequency band(s) in which the radio equipment operates;

(b) maximum radio-frequency power transmitted in the frequency band(s) in which the radio equipment operates.

Radio Equipment Directive 2014/53/EU, Article 10.9: Manufacturers shall ensure that each item of radio equipment is accompanied by a copy of the EU declaration of conformity or by a simplified EU declaration of conformity. Where a simplified EU declaration of conformity is provided, it shall contain the exact internet address where the full text of the EU declaration of conformity can be obtained.

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Radio Equipment Directive 2014/53/EU, Article 10.10: In cases of restrictions on putting into service or of requirements for authorization of use, information available on the packaging shall allow the identification of the Member States or the geographical area within a Member State where restrictions on putting into service or requirements for authorization of use exist. Such information shall be completed in the instructions accompanying the radio equipment.

Radio Equipment Directive 2014/53/EU, Article 19.2: On account of the nature of radio equipment, the height of the CE marking affixed to radio equipment may be lower than 5 mm, provided that it remains visible and legible.

Radio Equipment Directive 2014/53/EU, Article 20.1: The CE marking shall be affixed visibly, legibly and indelibly to the radio equipment or to its data plate, unless that is not possible or not warranted on account of the nature of radio equipment. The CE marking shall also be affixed visibly and legibly to the packaging.

Radio Equipment Directive 2014/53/EU, Annex III, Module B7: The manufacturer shall inform the notified body that holds the technical documentation relating to the EU-type examination certificate of all modifications to the approved type that may affect the conformity of the radio equipment with the essential requirements of this Directive or the conditions for validity of that certificate. Such modifications shall require additional approval in the form of an addition to the original EU-type examination certificate.

In accordance with Notified Body guidance; if there are no changes, a Notified Body EU-type examination certificate has a validity of 10 years from the date of issue.

The Declaration of Conformity under Directive 2014/53/EU or a copy thereof must be supplied with each device.

Device designation:

CE 

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