

## EU Declaration of Conformity

**Model Number:** ELO-KIT-EloView-Engine  
**Equipment Category:** Information Technology and Telecommunications Equipment  
**Equipment Class:** Commercial and Light Industrial  
**Product Name:** Computer Box  
**Manufacture Start Year:** 2017

We hereby declare under our sole responsibility, that the object of the declaration described above is in conformity with the following EU Directives and harmonized standard(s):

1. **EU Directive 2014/53/EU** of the European Parliament and of the Council of 16 April 2014 on the harmonization of the laws of the Member States relating to the making available on the market of radio equipment and repealing Directive 1999/5/EC Text with EEA relevance.

Applicable harmonized standards:

- EN 55032:2015 Class A
- EN 55024:2010+A1:2015
- EN 61000-3-2:2014
- EN 61000-3-3:2013 – Standard
- EN 61000-6-1:2007
- IEC 61000-4-2:2009
- IEC 61000-4-3:2006+A1:2008+A2:2010
- IEC 61000-4-4:2012
- IEC 61000-4-5:2014
- IEC 61000-4-6:2014+AC:2015
- IEC 61000-4-8:2010
- IEC 61000-4-11:2004
- EN 300 328 V2.1.1
- ETSI EN 301 489-1 V2.2.0:2017
- ETSI EN 301 489-17 V3.2.0:2017
- EN 62311:2008
- EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013
- IEC 60950-1:2005 Second Edition with all CB-scheme national differences
- EN62368-1:2014+A11:2017
- IEC 62368-1:2014

2. **EU Directive 2011/65/EU** of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

Commission Delegated Directive (EU) 2015/863 of 31 March 2015 amending Annex II to Directive 2011/65/EU of the European Parliament and of the Council as regards the list of restricted substances (Text with EEA relevance)

Technical documentation required by the EU Directive 2011/65/EU was drawn based on harmonized standard EN 50581:2012.



Kevin Huang  
Director, Systems Engineering  
Elo Touch Solutions, Inc.

# ATTESTATION OF CONFORMITY



<b>Attestation No.:</b>	1708268
<b>Applicant / Holder:</b>	ELO TOUCH SOLUTIONS, INC.
<b>Address:</b>	670 N Mccarthy Blvd, Suite 100, MILPITAS, CA 95035, United States
<b>Trade Mark:</b>	ELO
<b>Product / Test Item:</b>	Computer Box
<b>Model / Type Reference:</b>	ELO-KIT-EloView-Engine

The submitted sample(s) have been tested with the following standard(s) and found to be in compliance with the essential requirements:

Standard(s)
Applicable to ANSI C63.4 – 2014 (The Information Technology Equipment) That this product has been assessed against the following Applicable Standards CISPR PUB. 22, FCC Part 15 Subpart B Class A (Verification) Canada ICES-003 issue 6

This Verification of Compliance is hereby issued to the above named company.  
The test Results of this report relate only to the tested sample identified in this report.



Kero Kuo / EMC & RF Manager  
2017-11-01

Cerpass Technology Corporation

- Cerpass Technology Corporation Test Laboratory  
No.10, Ln. 2, Lianfu St., Luzhu Dist., Taoyuan City 33848, Taiwan



TCB

GRANT OF EQUIPMENT AUTHORIZATION

TCB

Certification Issued Under the Authority of the Federal Communications Commission By:

Telefication B.V. Edisonstraat 12a Zevenaar, NL-6902 PK Netherlands

Date of Grant: 01/18/2018

Application Dated: 01/17/2018

Elo Touch Solutions, Inc. 670 N. McCarthy Blvd. Suite 100 Milpitas, CA 95035

Attention: Angela Huang , Safety Engineer

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: RBWENGINE Name of Grantee: Elo Touch Solutions, Inc. Equipment Class: Part 15 Spread Spectrum Transmitter Notes: Computer Box

Table with 5 columns: Grant Notes, FCC Rule Parts, Frequency Range (MHZ), Output Watts, Frequency Emission Tolerance Designator. Row 1: CC, 15C, 2402.0 - 2480.0, 0.005

Power output listed is conducted. The antenna(s) used for this transmitter must be used 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. End-users must be provided with a transmitter operating conditions for satisfying RF exposure compliance.

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

Table with 3 columns: Certificate No.: 172181780/AA/00, Gürhan Vural Product Assessor, Signature



TCB

GRANT OF EQUIPMENT AUTHORIZATION

TCB

Certification
Issued Under the Authority of the
Federal Communications Commission
By:

Telefication B.V.
Edisonstraat 12a
Zevenaar, NL-6902 PK
Netherlands

Date of Grant: 01/18/2018

Application
Dated: 01/17/2018

Elo Touch Solutions, Inc.
670 N. McCarthy Blvd.
Suite 100
Milpitas, CA 95035

Attention: Angela Huang , Safety Engineer

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: RBWENGINE
Name of Grantee: Elo Touch Solutions, Inc.
Equipment Class: Digital Transmission System
Notes: Computer Box

Table with 5 columns: Grant Notes, FCC Rule Parts, Frequency Range (MHZ), Output Watts, Frequency Emission Tolerance Designator. Rows include CC 15C and CC 15C with frequency ranges and output values.

Power output listed is conducted. The antenna(s) used for this transmitter must be used 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. End-users must be provided with transmitter operating conditions for satisfying RF exposure compliance. This device has 20/40 MHz bandwidth modes.

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

Table with 3 columns: Certificate No. (172181792/AA/00), Product Assessor (Gürhan Vural), and Signature.



TCB

GRANT OF EQUIPMENT AUTHORIZATION

TCB

Certification Issued Under the Authority of the Federal Communications Commission By:

Telefication B.V. Edisonstraat 12a Zevenaar, NL-6902 PK Netherlands

Date of Grant: 01/18/2018

Application Dated: 01/17/2018

Elo Touch Solutions, Inc. 670 N. McCarthy Blvd. Suite 100 Milpitas, CA 95035

Attention: Angela Huang , Safety Engineer

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: RBWENGINE Name of Grantee: Elo Touch Solutions, Inc. Equipment Class: Unlicensed National Information Infrastructure TX Notes: Computer Box

Table with 5 columns: Grant Notes, FCC Rule Parts, Frequency Range (MHZ), Output Watts, Frequency Emission Tolerance Designator. Rows include CC 15E and CC 15E with frequency ranges 5180.0 - 5240.0 and 5745.0 - 5825.0.

Power output listed is conducted. The antenna(s) used for this transmitter must be used 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. End-users must be provided with transmitter operating conditions for satisfying RF exposure compliance. This device has 20/40/80 MHz bandwidth modes. The 80 MHz mode is limited to channel at 5210, and 5775 MHz.

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

Table with 3 columns: Certificate No. (172181793/AA/00), Product Assessor (Gürhan Vural), and Signature.



**TECHNICAL ACCEPTANCE  
CERTIFICATE**

**CERTIFICAT D'ACCEPTABILITÉ  
TECHNIQUE**

CERTIFICATION No. No. DE CERTIFICATION	10757B-ENGINE			
TELEFICATION No. No. DE TELEFICATION	172170655/AA/00			
TEST SITE No. No. DE LABORATOIRE	4934E-2			
ISSUED TO DÉLIVRÉ A	Elo Touch Solutions, Inc.			
TYPE OF EQUIPMENT GENRE DE MATÉRIEL	Bluetooth device Local Area Network (LAN) Device Spread Spectrum/Digital Device (2400-2483.5 MHz)			
TRADE NAME AND MODEL MARQUE ET MODELE	ELo / ELO-KIT-EloView-Engine			
CERTIFIED TO CERTIFIÉ SELON LE	SPECIFICATION CAHIER DES CHARGES	RSS-102 RSS-247	ISSUE EDITION	5 2

Certification of equipment means only that the equipment has met the requirements of the above-noted specification. Licence applications, where applicable to use certified equipment, are acted on accordingly by the ISED issuing office and will depend on the existing radio environment, service and location of operation. This certificate is issued on condition that the holder complies and will continue to comply with the requirements and procedures issued by ISED. The equipment for which this certificate is issued shall not be manufactured, imported, distributed, leased, offered for sale or sold unless the equipment complies with the applicable technical specifications and procedures issued by ISED.

La certification du matériel signifie seulement que le matériel a satisfait aux exigences de la norme indiquée ci-dessus. Les demandes de licences nécessaires pour l'utilisation du matériel certifié sont traitées en conséquence par le bureau de délivrance d'ISDE et dépendent des conditions radio ambiantes, du service et de l'emplacement d'exploitation. Le présent certificat est délivré à la condition que le titulaire satisfasse et continue de satisfaire aux exigences et aux procédures d'ISDE. Le matériel à l'égard duquel le présent certificat est délivré ne doit pas être fabriqué, importé, distribué, loué, mis en vente ou vendu à moins d'être conforme aux procédures et aux spécifications techniques applicables publiées par ISDE.

ISSUED BY TELEFICATION BV (NL0001), RECOGNIZED CERTIFICATION BODY BY INNOVATION, SCIENCE AND ECONOMIC DEVELOPMENT CANADA  
DÉLIVRÉ PAR TELEFICATION BV (NL0001), ORGANISME DE CERTIFICATION RECONNU PAR INNOVATION, SCIENCES ET DÉVELOPPEMENT ÉCONOMIQUE CANADA

*I hereby attest that the subject equipment was tested and found in compliance with the above-noted specification.  
J'atteste, par la présente, que le matériel a fait l'objet d'essai et a été jugé conforme à la spécification ci-dessus*

DATE 18 Jan 2018 BY

Gürhan Vural  
Product Assessor

This certificate has one annex.



TEST REPORTS  
RAPPORTAGE DE TEST

- Cerpass Technology Corporation: TEIJ1708268, 05 December 2017
- Cerpass Technology Corporation: TEII1708268, 05 December 2017
- Cerpass Technology Corporation: TEID1708268, 05 December 2017
- Cerpass Technology Corporation: TEIB1708268, 05 December 2017

FREQUENCY RANGE BANDE DE FRÉQUENCES	EMISSION DESIGNATION DESIGNATION D'ÉMISSION	R.F. POWER RATING PUISSANCE NOMINALE H.F.
2412-2462 MHz	13M9G1D	0.09 W
2412-2462 MHz	18M2D1D	0.01 W
2402-2480 MHz	954KF1D	0.005 W
2402-2480 MHz	1M30G1D	0.005 W
2402-2480 MHz	1M09F1D	0.002 W
5180-5240 MHz (4 channels)	18M1D1D	0.017 W
5190-5230 MHz (2 channels)	36M6D1D	0.011 W
5210 MHz (1 channel)	75M2D1D	0.011 W
5745-5825 MHz (5 channels)	18M1D1D	0.017 W
5755-5795 MHz (2 channels)	36M9D1D	0.011 W
5775 MHz (1 channel)	74M9D1D	0.012 W

ANTENNA INFORMATION  
INFORMATION D'ANTENNE

Antennas:  
PCB, max gain of 3.68dBi at 2.4GHz and max gain of 3.69dBi at 5 GHz

REMARKS  
REMARQUES

None

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE)  
CB SCHEME

## CB TEST CERTIFICATE

Product	Computer Box
Name and address of the applicant	ELO TOUCH SOLUTIONS, INC. 670 N McCarthy Blvd, Suite 100, MILPITAS, CA 95035, USA
Name and address of the manufacturer	ELO TOUCH SOLUTIONS, INC. 670 N McCarthy Blvd, Suite 100, MILPITAS, CA 95035, United States
Name and address of the factory	Elo Touch Solutions, Inc. 2245 BRIGHTON-HENRIETTA TOWN LINE RD, ROCHESTER NY 14623, USA. <input checked="" type="checkbox"/> Additional Information on page 2
Note: When more than one factory, please report on page 2	
Ratings and principal characteristics	12Vdc, 2.0A
Trademark / Brand (if any)	Elo 
Type of Customer's Testing Facility (CTF) Stage used	
Model / Type Ref.	ELO-KIT-EloView-Engine
Additional information (if necessary may also be reported on page 2)	<input checked="" type="checkbox"/> Additional Information on page 2
A sample of the product was tested and found to be in conformity with	IEC 62368-1:2014
As shown in the Test Report Ref. No. which forms part of this Certificate	U2005071-060 issued on 2020-08-25

This CB Test Certificate is issued by the National Certification Body



- UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see [www.ul.com/ncbnames](http://www.ul.com/ncbnames)

Date: 2020-09-02

Signature:

Jan-Erik Storgaard





Ref. Certif. No.

**DK-102275-UL**

Factories:

[Redacted]  
[Redacted]  
[Redacted]

Additional Information:

Additionally evaluated to EN 62368-1:2014/A11:2017.  
National Difference specified in the CB Test Report

**Additional information (if necessary)**



- UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see [www.ul.com/names](http://www.ul.com/names)

Date: 2020-09-02

Signature:   
Jan-Erik Storgaard



Ref. Certif. No.

**DK-69075-UL**

**IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE)  
CB SCHEME**

**CB TEST CERTIFICATE**

Product

Computer Box

Name and address of the applicant

ELO TOUCH SOLUTIONS, INC.  
670 N Mccarthy Blvd, Suite 100, MILPITAS, CA 95035,  
United States

Name and address of the manufacturer

ELO TOUCH SOLUTIONS, INC.  
670 N Mccarthy Blvd, Suite 100, MILPITAS, CA 95035,  
United States

Name and address of the factory

Note: When more than one factory, please report on page 2

Additional Information on page 2

Ratings and principal characteristics

12Vdc, 2.0A

Trademark (if any)

Elo



Type of Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

ELO-KIT-EloView-Engine

Additional information (if necessary may also be reported on page 2)

Additionally evaluated to EN 60950-1: 2006 / A11: 2009 / A1: 2010 / A12: 2011 / A2:2013; National Differences specified in the CB Test Report.

Additional Information on page 2

A sample of the product was tested and found to be in conformity with

IEC 60950-1(ed.2), IEC 60950-1(ed.2);am1, IEC 60950-1(ed.2);am2

As shown in the Test Report Ref. No. which forms part of this Certificate

U1708266-596 issued on 2017-12-12

This CB Test Certificate is issued by the National Certification Body



- UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

Date: 2017-12-15


Signature:

Jan-Erik Storgaard

For full legal entity names see [www.ul.com/nbcnames](http://www.ul.com/nbcnames)

Factories:  
 Elo Touch Solutions, Inc.  
 2245 BRIGHTON-HENRIETTA TOWN LINE RD, ROCHESTER NY 14623,  
 USA.


**Additional information (if necessary)**



<input type="checkbox"/>	UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
<input checked="" type="checkbox"/>	UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
<input type="checkbox"/>	UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
<input type="checkbox"/>	UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see [www.ul.com/nbcnames](http://www.ul.com/nbcnames)

Date: 2017-12-15

  
 Signature:  
 Jan-Erik Storgaard

# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20171218-E162681  
**Report Reference** E162681-A91-UL  
**Issue Date** 2017-DECEMBER-18

**Issued to:** Elo Touch Solutions Taiwan Ltd  
2ND FL-1 66  
JINGMAO 2ND RD  
NANGANG DISTRICT  
TAIPEI, 115 TAIWAN

**This is to certify that representative samples of** Information Technology Equipment Including Electrical Business Equipment  
Computer Box, Model ELO-KIT-EloView-Engine.

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

**Standard(s) for Safety:** UL 60950-1, information Technology Equipment - Safety - Part 1: General Requirements  
CAN/CSA C22.2 No. 60950-1-07, Information Technology Equipment - Safety - Part 1: General Requirements

**Additional Information:** See the UL Online Certifications Directory at [www.ul.com/database](http://www.ul.com/database) for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program  
UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/about/locations/>



## Masahiro Tsumura

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差出人: aplimgr@vcci.jp  
送信日時: 2017年12月21日木曜日 16:33  
宛先: Masahiro Tsumura  
件名: [VCCI適合確認電子届出]受理証明書

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適合確認届出  
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適合確認届出を受理しました。

-----  
届出番号:2017064200  
受理番号:2017045088

<届出者情報>

<会員情報>

会員番号:797

会社名:タッチパネル・システムズ株式会社

所在地:神奈川県横浜市港北区新横浜 1-19-20 SUN HAMADA BLDG2F

<届出責任者>

部署名:技術サポート部

氏名:津村 昌弘

E-mail:masahiro.tsumura@elotouch.com

<届出担当者>

所在地:横浜市港北区新横浜 1-19-20SUN HAMADA BLDG.2F

部署名:技術サポート部

氏名:津村

TEL:045-478-2163

FAX:045-478-2180

E-mail:masahiro.tsumura@elotouch.com

<受理通知受信者>

部署名:技術サポート部

E-mail:masahiro.tsumura@elotouch.com

適用規程:VCCI 32-1

届出種別:新規

一般的な機器の名称:ボックスコンピュータ

[ページ番号 #]

機器の種別と分類記号:クラス A / 分類記号 E2

型式(モデル No.):Elo Touch Solutions

ELO-KIT-EloView-Engine

<販売ブランド(1)>

販売ブランド業者名:

会員番号:

販売ブランド業者の型式:

<販売ブランド(2)>

販売ブランド業者名:

会員番号:

販売ブランド業者の型式:

<販売ブランド(3)>

販売ブランド業者名:

会員番号:

販売ブランド業者の型式:

<販売ブランド(4)>

販売ブランド業者名:

会員番号:

販売ブランド業者の型式:

<販売ブランド(5)>

販売ブランド業者名:

会員番号:

販売ブランド業者の型式:

試験機関の会員番号:2216 Cerpass Technology Corporation

試験機関の名称:

<試験設備等登録番号>

1) 1GHz 以下放射妨害波測定設備:R-4399 (10m)

2) 1GHz 超放射妨害波測定設備:G-10812 (3m)

3) 電源ポート伝導妨害波測定設備:C-4663

4) 通信（有線）ポート等の伝導妨害波測定設備:T-2205

5) 第 15 条による試験所:

6) 設置場所で試験をした:

試験実施日:2017-10-23

試験報告書番号:TEJX1708268

変更/追加理由:

[ページ番号 #]

VCCI コメント:

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一般財団法人 VCCI 協会

URL :

[https://linkprotect.cudasvc.com/url?a=http://www.vcci.jp/&c=E,1,00L\\_bn9al4bk0cfXhfOD3U1wpisBwZ2lacK31bFaa8uokr-gFmyokl4eH9bGNYT-](https://linkprotect.cudasvc.com/url?a=http://www.vcci.jp/&c=E,1,00L_bn9al4bk0cfXhfOD3U1wpisBwZ2lacK31bFaa8uokr-gFmyokl4eH9bGNYT-)

[8XvpA4cvfkUqBbDedpPANeopDB6Z7dS7ETgWLdbqwPKSFa0RQ,,&typo=1](https://linkprotect.cudasvc.com/url?a=http://www.vcci.jp/&c=E,1,00L_bn9al4bk0cfXhfOD3U1wpisBwZ2lacK31bFaa8uokr-gFmyokl4eH9bGNYT-8XvpA4cvfkUqBbDedpPANeopDB6Z7dS7ETgWLdbqwPKSFa0RQ,,&typo=1)

E-mail : [aplimg@vcci.jp](mailto:aplimg@vcci.jp)

[ページ番号 #]

# Certificate

of  
Radio Equipment in JAPAN

No: 201-171137 / 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: **Computer Box**  
Trademark: **ELO**  
Type designation: **ELO-KIT-EloView-Engine**  
Variants: **—**

Manufacturer: **Elo Touch Solutions, Inc.**  
Address: **670 N. McCarthy Boulevard, Suite 100**  
City: **95035 Milpitas, California**  
Country: **United States**

This statement is granted to:

Name: **Touch Panel Systems K.K.**  
Address: **Sun Hamada Bidg. 2F 1-19-20 Shin-Yokohama**  
City: **kohoku-ku, Kanagawa**  
Country: **Japan**

This statement has THREE Annexes.

Zevenaar, 10 January 2018

**CAB**

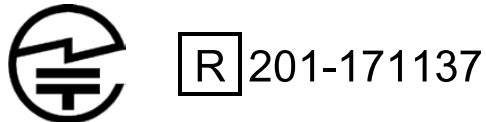


David Chen  
Product Assessor





- 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:



#### Remarks and observations

The following conditions are applicable:

Antennas:

PCB antenna, max gain of 3.68 dBi at 2.4 GHz and max gain of 3.23 dBi at 5 GHz

### Documentation lodged for this type-examination

#### Test Reports:

- Cerpas Technology Corporation: TEMJ1708268, 07 December 2017
- Cerpas Technology Corporation: TEMB1708268, 07 December 2017
- Cerpas Technology Corporation: TEME1708268, 07 December 2017
- Cerpas Technology Corporation: TEMI1708268, 07 December 2017

#### Product Documentation:

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

### 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) of article 2, paragraph 1

Item (19)-3 of article 2, paragraph 1

### Technical features and characteristics

The product includes the following features and characteristics:

#### **Bluetooth (incl. AFH)**

- Operating frequency range: 2402-2480 MHz (79 channels)
- ITU designation: 78M3F1D,G1D
- Maximum output power: 0.28 mW/MHz rated

#### **Bluetooth LE**

- Operating frequency range: 2402-2480 MHz (40 channels)
- ITU designation: 1M35F1D
- Maximum output power: 1.45 mW rated

#### **IEEE 802.11b**

- Operating frequency range: 2412-2472 MHz (13 channels)
- ITU designation: 13M7G1D
- Maximum output power: 5.21 mW/MHz rated

#### **IEEE 802.11g**

- Operating frequency range: 2412-2472 MHz (13 channels)
- ITU designation: 17M4D1D,G1D
- Maximum output power: 0.99 mW/MHz rated

#### **IEEE 802.11n 20 MHz**

- Operating frequency range: 2412-2472 MHz (13 channels)
- ITU designation: 18M3D1D,G1D
- Maximum output power: 0.72 mW/MHz rated

#### **IEEE 802.11a**

- Operating frequency range: 5180-5240 MHz (4 channels)
- ITU designation: 17M1D1D,G1D
- Maximum output power: 2.19 mW/MHz rated

#### **IEEE 802.11n/ac (VHT20)**

- Operating frequency range: 5180-5240 MHz (4 channels)
- ITU designation: 18M0D1D,G1D
- Maximum output power: 1.37 mW/MHz rated

#### **IEEE 802.11n/ac (VHT40)**

- Operating frequency range: 5190-5230 MHz (2 channels)
- ITU designation: 36M3D1D,G1D
- Maximum output power: 0.61 mW/MHz rated

#### **IEEE 802.11ac (VHT80)**

- Operating frequency range: 5210 MHz (1 channel)
- ITU designation: 75M0D1D,G1D
- Maximum output power: 0.23 mW/MHz rated

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

- Product description: Computer Box
- Trademark: ELO
- Type designation: ELO-KIT-EloView-Engine

Telefication, Edisonstraat 12A, 6902 PK Zevenaar, The Netherlands  
Tel: +31 316 583 180, Fax: +31 316 583 189

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

美国 Elo Touch Solutions, 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: 2017AJ7447**

**to the provisions with its CMIIT ID:**

备注：该设备使用型号为I-series 2.0  
RF, CMIIT ID为2017AJ6447(M)的限制性非  
独立操作的无线电发射模块。

有效期：  
Validity 五年



Sealed by issuing authority

2017年12月1日  
Year Month Date



编号: 2017-7447  
Number

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

设备型号: ELO-KIT-EloView-Engine  
Equipment Type 系列型号: ELO-KITXXXXXXXXXXXXX (“X”=0-9、a-z、A-Z或空格)。

主要功能: 数据传输  
Main Functions

GFSK  $\pi$ /4-DQPSK 8DPSK

调制方式: BPSK/QPSK/16QAM/64QAM/256QAM/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 5150-5250MHz 2400-2483.5MHz  
Frequency Range

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

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

占用带宽:  $\leq 80\text{MHz}$   $\leq 40\text{MHz}$   
Occupied Bandwidth  $\leq -30\text{dBm}$

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

(核发单位章)  
Sealed by issuing authority  
2017 年 12 月 1 日  
Year Month Date





# 中国国家强制性产品认证证书

证书编号：2018010901036718

委托人名称、地址

Elo Touch Solutions, Inc.

670 N. McCarthy Blvd., Suite 100, Milpitas, CA95035, 美国

生产者（制造商）名称、地址

Elo Touch Solutions, Inc.

670 N. McCarthy Blvd., Suite 100, Milpitas, CA95035, 美国

生产企业名称、地址



产品名称和系列、规格、型号

数字计算机盒

ELO-KIT-EloView-Engine: 12Vdc, 2A (电源适配器: WA-24Q12R)

产品标准和技术要求

GB17625. 1-2012; GB4943. 1-2011; GB/T9254-2008 (Class A)

上述产品符合强制性产品认证实施规则 CNCA-C09-01:2014 的要求，特发此证。

发证日期：2018 年 01 月 02 日 有效期至：2022 年 11 月 06 日

证书有效期内本证书的有效性依据发证机构的定期监督获得保持。

本证书的相关信息可通过国家认监委网站 [www.cnca.gov.cn](http://www.cnca.gov.cn) 查询



主任：



## 中国质量认证中心

<http://www.cqc.com.cn>

中国·北京·南四环西路188号9区 100070

电话：+86 10 83886666

Q 1871167





# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

**CERTIFICATE NO.: 2018010901036718**

## **NAME AND ADDRESS OF THE APPLICANT**

Elo Touch Solutions, Inc.  
670 N. McCarthy Blvd., Suite 100, Milpitas, CA95035, United States

## **NAME AND ADDRESS OF THE MANUFACTURER**

Elo Touch Solutions, Inc.  
670 N. McCarthy Blvd., Suite 100, Milpitas, CA95035, United States

## **NAME AND ADDRESS OF THE FACTORY**



## **PRODUCT NAME, MODEL AND SPECIFICATION**

Computer Box  
ELO-KIT-EloView-Engine: 12Vdc, 2A (Adapter: WA-24Q12R)

## **THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS**

GB17625.1-2012;GB4943.1-2011;GB/T9254-2008(Class A)

This is to certify that the above mentioned product(s) complies with the requirements of implementation rules for compulsory certification(REFNO.CNCA-C09-01:2014).

**Valid from:** Jan.02,2018      **Valid until:** Nov.06,2022

The validity of the certificate is subject to positive result of the regular follow up inspection by issuing certification body until the expiry date.

The certificate information is available through CNCA's website: [www.cnca.gov.cn](http://www.cnca.gov.cn)



President:

Wang Kejiao



## **CHINA QUALITY CERTIFICATION CENTRE**

<http://www.cqc.com.cn>

Section 9, No. 188, Nansihuan Xilu, Beijing 100070 P. R. China

Tel: +86 10 83886666

Q 1871167





## भारतीय मानक ब्यूरो

(उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय, भारत सरकार)

### BUREAU OF INDIAN STANDARDS

(Ministry of Consumer Affairs, Food & Public Distribution, Govt. of India)

मानक भवन, 9 बहादुर शाह जफर मार्ग, नई दिल्ली - 110002  
 Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi - 110002  
 दूरभाष/Phone: +91-11-23230856/2323010131/23233375/23239402  
 ई-मेल/E-mail: registration@bis.gov.in  
 वेबसाइट/Website: <https://bis.gov.in/>, <https://www.crsbis.in/BIS/>

Our Ref: Registration/CRS 2019-0015/R-41118656

Date:19-02-2019

#### Subject : Licence Document

MANUFACTURING UNIT :		
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Dear Sir,

1. With reference to your Application, we are pleased to inform you that it has been decided to grant you licence as per details given below :

PRODUCT :	Computer Box (Automatic Data Processing Machines)
IS NO :	IS 13252(PART 1):2010/ IEC 60950-1 : 2005
BRAND :	elo
MODEL :	ELO-KIT-EloView-Engine
FACTORY ADDRESS :	

2. The Licence is being granted for your unit located at the address and for the brand and models mentioned at serial no 1 above.

3. The number assigned to this Licence is **R-41118656** which has been made operative from **19-02-2019** and is valid upto **18-02-2021**. The Licence Number should invariably be referred to in your future correspondence.

4. The rights and privileges under the licence shall not be exercised by any other factory / organization at any other location. This licence is not transferable. In the event of shifting of the manufacturing machinery from the registered premises to some other place use of the Licence Number shall be stopped and BIS shall be informed.

5. The licensee shall comply with the provisions of the Act, rules and regulations framed thereunder and as amended from time to time.

6. The licensee shall follow the guidelines for the use of Standard Mark and labeling requirements as per Annex-I.

7. The licensee shall not use the licence in any manner which contravenes the provisions of Act, rules and regulations framed thereunder and as amended from time to time.

8. Upon expiry of validity, stoppage or suspension or cancellation of licence, you shall discontinue forthwith the self declaration of conformity to the relevant Indian Standard(s) and withdraw all promotional and advertising matter which contains any reference thereto.

9. As per your declaration, **Swati Umakant Mahajan, Director, Levia Technologies Private Limited(Address- 314, Chawla Complex, Plot No. 38, Sector 15, Palm Beach Road, CBD Belapur, Mumbai Suburban Maharashtra-400614, India,Maharashtra)** is your authorized Indian representative. Any intended change in the name of the Indian representative ought to be brought to our notice immediately along with requisite fees and document.

10. For renewal of licence, the licensee shall have to apply to BIS three months in advance before expiration of the licence and application form for renewal is available on BIS website

11. The licence is not transferable. Kindly acknowledge receipt of this letter.

Thanking you,

Yours faithfully,  
 (Vibha Rani)  
 Sc. D  
 Telfax : +91-11-23230856  
 E-mail: registration@bis.gov.in

Note: This is a system generated letter. Hence signature is not required.  
 To verify authentication of letter, kindly scan the QR code on this letter.

# 방송통신기자재등의 적합인증서

## Certificate of Broadcasting and Communication Equipments

상호 또는 성명 Trade Name or Applicant	Elo Touch Solutions, Inc.
기자재명칭(명칭) Equipment Name	특정소출력 무선기기(무선데이터통신시스템용 무선기기)
기본모델명 Basic Model Number	ELO-KIT-EloView-Engine
파생모델명 Series Model Number	
인증번호 Certification No.	R-C-TY1-Backpack
제조사/제조국가 Manufacturer/ Country of Origin	Elo Touch Solutions, Inc. / 중국
인증연월일 Date of Certification	2019-07-15
기타 Others	
<p>위 기자재는 「전파법」 제58조의2 제2항에 따라 인증되었음을 증명합니다.</p> <p>It is verified that foregoing equipment has been certificated under the Clause 2, Article 58-2 of Radio Waves Act.</p> <p style="text-align: right;">2019년(Year) 07월(Month) 15일(Day)</p> <p style="text-align: center;">국립전파연구원장</p> <p style="text-align: center;">               Director General of National Radio Research Agency         </p> <p style="text-align: center;">※ 인증 받은 방송통신기자재는 반드시 "적합성평가표시" 를 부착하여 유통하여야 합니다. 위반시 과태료 처분 및 인증이 취소될 수 있습니다.</p>	

Número de acreditación: 02/10, vigente a partir del 01/06/2010

## NOTIFICACIÓN DE CONFIRMACIÓN DE VIGENCIA DE CERTIFICADO

Notificación No.: **NTCV0049-20**  
Ciudad de México a 29 de Julio de 2020

Estimado: **YAMIR ANDRADE ZAMORA**  
Representante legal de: **BLUESTARLAM MEXICO SA DE CV**

Normalización y Certificación NYCE S.C. (NYCE le notifica confirmación de vigencia del certificado número **NYC-CT124919C1** otorgado de conformidad con la(s) con la(s) **NOM-208-SCFI-2016 (IFT-008-2015)**; a:

con domicilio en:

Para el (los) siguiente (s)

Producto(s): **UNIDAD DE PROCESAMIENTO MULTIMEDIA (MOTOR DE COMPUTO)**

Marca: **elo**

Modelo(s): **ELO-KIT-EloView-Engine**

**ATENTAMENTE**



\_\_\_\_\_  
**Adrián LÓPEZ HERNÁNDEZ**



\_\_\_\_\_  
**Juan Pablo NAVA ORUBE**  
**DIRECTOR DE OPERACIONES**

Ccp Expediente de Normalización y Certificación NYCE S.C.