

## EU Declaration of Conformity

**Model Number:** ELO -KIT- ECMG4  
**Equipment Category:** Information Technology and Telecommunications Equipment  
**Equipment Class:** Commercial and Light Industrial  
**Product Name:** Interactive Digital Signage Computer Module  
**Manufacture Start Year:** 2019

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 55032:2012/AC:2015+AC2016 Class A
- EN 55024:2010 +A1:2015
- EN 61000-3-2:2014
- EN 61000-3-3:2013 – Standard
- EN 61000-6-1:2007
- IEC 61000-4-2:2008
- IEC 61000-4-3:2006+A1:2008+A2:2010
- IEC 61000-4-4:2012
- IEC 61000-4-5:2014/ AMD1:2017
- IEC 61000-4-6:2013
- IEC 61000-4-8:2009
- IEC 61000-4-11:2004/ AMD1:2017
- EN 300 328 V2.1.1
- ETSI EN 301 893 V2.1.1
- ETSI EN 301 489-1 V2.1.1:2017
- ETSI EN 301 489-17 V3.1.1:2017
- EN 62311:2008
- EN 62479:2010
- EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013
- IEC 60950-1:2005 Second Edition with all CB-scheme national differences
- EN 62368-1:2014+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.

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.



18 June 2019

## FCC Declaration of Conformity

Per FCC 47 CFR, Part 2, Part 15 and CISPR PUB. 22  
In accordance with FCC Rules and Regulations

**Model Number:** ELO -KIT- ECMG4  
**Equipment Category:** Information Technology and Telecommunications Equipment  
**Equipment Class:** Commercial and Light Industrial  
**Product Name:** Interactive Digital Signage Computer Module  
**Manufacturer:** Elo Touch Solutions, Inc.  
670 N. McCarthy Blvd.  
Suite 100  
Milpitas, CA 95035  
[www.elotouch.com](http://www.elotouch.com)

**Trademark:**



### Declaration:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:  
(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation

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



Ref. Certif. No.

**DK-83366-UL**

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

**CB TEST CERTIFICATE**

Product

Interactive Digital Signage Computer Module

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 USA

Name and address of the factory

ELO TOUCH SOLUTIONS, INC.  
2245 BRIGHTON-HENRIETTA TOWN LINE RD, ROCHESTER,  
NY 14623  
UNITED STATES

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

[Additional Information on page 2](#)

Ratings and principal characteristics

Input: 100-240Vac, 50/60Hz, 1.2A

Trademark (if any)



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

Model / Type Ref.

ELO -KIT- ECMG4

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

[Additional Information on page 2](#)

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

IEC 60950-1:2005/AMD1:2009, IEC 60950-1:2005/AMD2:2013,  
IEC 60950-1:2005

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

U1810252-143 issued on 2019-05-09

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: 2019-05-10

Signature:

Jan-Erik Storgaard



Ref. Certif. No.

**DK-83372-UL**

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

**CB TEST CERTIFICATE**

Product

Interactive Digital Signage Computer Module

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 USA

Name and address of the factory

ELO TOUCH SOLUTIONS, INC.  
2245 BRIGHTON-HENRIETTA TOWN LINE RD, ROCHESTER,  
NY 14623  
UNITED STATES

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

[Additional Information on page 2](#)

Ratings and principal characteristics

Input: 100-240Vac, 50/60Hz, 1.2A

Trademark (if any)



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

Model / Type Ref.

ELO -KIT- ECMG4

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

[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

U1810252-145 issued on 2019-05-09

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: 2019-05-10

Signature:

Jan-Erik Storgaard

# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20190524-E162681  
**Report Reference** E162681-20190514  
**Issue Date** 2019-MAY-24

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

**This certificate confirms that  
representative samples of**

AUDIO/VIDEO, INFORMATION AND COMMUNICATION  
TECHNOLOGY EQUIPMENT

Interactive Digital Signage Computer Module - ELO -KIT-  
ECMG4

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

**Standard(s) for Safety:** UL 62368-1 & CSA C22.2 NO. 62368-1-14 - Audio/video,  
Information and Communication Technology Equipment -  
Part 1: Safety Requirements

**Additional Information:** See the UL Online Certifications Directory at  
<https://iq.ulprospector.com> for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

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/aboutul/locations/>



## Masahiro Tsumura

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差出人: aplimgr@vcci.jp  
送信日時: 2019年5月10日金曜日 16:22  
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。

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届出番号:2019073736

受理番号:2019051607

<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:製品企画部

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:045-478-2161

FAX:045-478-2180

E-mail:masahiro.tsumura@elotouch.com

<受理通知受信者>

部署名:製品企画部

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:PC モジュール  
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-ECMG4  
<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:R-4218 (10m)  
2. 1GHz 超放射妨害波測定:G-10812 (3m)  
3. 電源ポート伝導妨害波測定:  
4. 有線通信ポート等の伝導妨害波測定: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:2019-04-16  
試験報告書番号:TEJX1901073  
変更/追加理由:

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%3a%2f%2fwww.vcci.jp%2f&c=E,1,wQrsy6oKcMgeWI4zfxRsgE5UGQLNYnNH41dacL29vrsqPFWaNw4vobSn3QQ2VCyDxKt->

[U\\_SaOoSG9yFZJCIN7YSV8N0DiHpsZPP\\_rNneUve9CVtBHT59\\_KRo&typo=1](https://linkprotect.cudasvc.com/url?a=http%3a%2f%2fwww.vcci.jp%2f&c=E,1,wQrsy6oKcMgeWI4zfxRsgE5UGQLNYnNH41dacL29vrsqPFWaNw4vobSn3QQ2VCyDxKt-U_SaOoSG9yFZJCIN7YSV8N0DiHpsZPP_rNneUve9CVtBHT59_KRo&typo=1)

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






經濟部標準檢驗局  
BUREAU OF STANDARDS, METROLOGY AND INSPECTION,  
MINISTRY OF ECONOMIC AFFAIRS




商品驗證登錄電子證書  
CERTIFICATE OF THE REGISTRATION OF PRODUCT CERTIFICATION

證書號碼： CI389065771371 號 00  
Certificate No.

茲據 臺灣艾羅科技有限公司  
定，准予登錄並使用商品安全標章  及識別號碼：  
The application made by

申請驗證登錄，經審查結果符合規  
R38577 。其登錄事項如下：  
for Registration of Product

Certification has been reviewed and found to be in compliance with related regulations. Therefore, registration is granted with the  
Product Safety Mark  and the Identification No. R38577 . Details of the registration are follows :

申請人：臺灣艾羅科技有限公司  
Applicant

統一編號：54174251  
Uniform No.

地址：新北市板橋區遠東路3號5樓  
Address

生產廠場：  
Factory

廠址：  
Factory Address

商品種類名稱：  
Type/name of product

商品分類號列： 8528.59.10.00.5  
C.C.C Code

中文名稱： 互動式數字標牌電腦模組  
Chinese name

英文名稱： Interative Digital Signage Computer Module  
English name

型式： ELO-KIT-ECMG4  
Type

系列型式： 空白  
Series of the type

依據標準： CNS13438 (095年6月)、CNS14336-1 (099年9月)、符合CNS 15663第5節「含  
Standards 有標示」規定 102年7月

標準檢驗局發證(發證地址：100臺北市中正區濟南路1段4號)

This certificate is issued by the BSMI. (No.4, Sec. 1, Jinan Rd., Zhongzheng Dist., Taipei City 100, Taiwan)

本證書以電子文件行之，所載內容若有不符之處，以標準局電腦資料為主，查詢驗證資料  
網址：<https://civil.bsmi.gov.tw>

登錄日期：中華民國	109	年	02	月	12	日
Registration Date	2020	(year)	02	(month)	12	(day)
本證書有效期限至	112	年	02	月	11	日
Expiration Date	2023	(year)	02	(month)	11	(day)
發證日期：中華民國	109	年	02	月	12	日
Date of issue	2020	(year)	02	(month)	12	(day)



註1：持本證書進口驗證登錄商品時，進口人須與本證書名義人相同。

註2：次年度商品驗證登錄年費繳納期限為當年11月30日，逾期未繳納者，經限期繳納屆期未繳納，即依商品檢驗法第42條第7款規定廢止驗證登錄，並自次年度1月1日起生效。

註3：本證書僅代表完成檢驗程序，不作為其他(如產地)證明。

**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: 2019AJ7597**  
**to the provisions with its CMIIT ID:**

备注：该设备使用型号为9260NGW，CMIIT ID为  
2017AJ4605(M)的限制性非独立操作的无线电  
发射模块。

有效期：五年  
Validity



Sealed by issuing authority

2019年 8 月 24日

Year Month Date

编号: 2019-7597

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-ECMG4  
Equipment Type

主要功能: 数据传输  
Main Functions

调制方式: BPSK/QPSK/16QAM/64QAM/256QAM/DBPSK/DQPSK/CCK  
Modulation Mode: GFSK  $\pi/4$ -DQPSK 8DPSK

### 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:  $\leq 160\text{MHz}$   $\leq 80\text{MHz}$   
Occupied Bandwidth:  $\leq 40\text{MHz}$   $\leq 3\text{MHz}$

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

工业和信息化部  
(核发单位章)  
Sealed by issuing authority  
2019年 8月 22日  
Year Month Date