

EU Declaration of Conformity

Model Number: ELO-KIT-ECMG2-AND
Equipment Category: Information Technology and Telecommunications Equipment
Equipment Class: Commercial and Light Industrial
Product Name: Interactive Digital Signage Computer Module
Manufacture Start Year: 2016

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 1999/5/EC** of the European Parliament and of the Council of 9 March 1999 on radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity.

Applicable harmonized standards:

- EN 55032:2012/AC:2013 Class A
- EN 55024:2010
- EN 61000-6-1:2007
- EN 61000-3-2:2014
- EN 61000-3-3:2013 – Standard
- IEC 61000-4-2:2008
- IEC 61000-4-3:2010
- IEC 61000-4-4:2012
- IEC 61000-4-5:2014
- IEC 61000-4-6:2013
- IEC 61000-4-8:2009
- IEC 61000-4-11:2004
- EN 300 328 V1.9.1
- ETSI EN 301 489-1 V1.9.2(2011-09)
- ETSI EN 301 489-17 V2.2.1(2012-09)
- EN 62311:2008
- EN 60950-1:2006+A11:2009+A1:2010+A12:2011
- IEC 60950-1:2005 Second Edition with all CB-scheme national differences

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
Engineering Manager
Elo Touch Solutions, Inc.

**Notified Body
Number 1177**



NOTIFIED BODY STATEMENT OF OPINION
R&TTE DIRECTIVE 1999/5/EC
Conformity assessment procedure Article 10(4) and Annex IV

PRODUCT DESCRIPTION

Manufacturer Name	:	Elo Touch Solutions, Inc.
Manufacturer Address	:	1033 McCarthy Blvd Milpitas CA 95035 USA
Brand/Trade Name	:	Elo
Model/Type Designation	:	ELO-KIT-ECMG2-AND
Product Description	:	Interactive Digital Signage Computer Module
Product Specifications	:	Please refer to ANNEX 1

TECHNICAL CONSTRUCTION FILE

Applicant Name	:	Elo Touch Solutions, Inc.
Applicant Address	:	1033 McCarthy Blvd Milpitas CA 95035 USA
Signed by	:	Angela Huang, Safety Engineer
Date	:	December 7, 2015
TCF Identification	:	EN500302

TIMCO NOTIFIED BODY STATEMENT OF OPINION

Issued by	:	Notified Body 1177, TIMCO Engineering, Inc.
Date	:	January 6, 2016
Opinion number	:	TCF-2742TC15
On behalf of	:	The President of TIMCO Engineering, Inc.
Signature	:	<i>Bruno Clavier</i>
Name	:	Bruno Clavier

The device shall be marked as follows: **CE1177**

THIS STATEMENT OF OPINION HAS 1 ANNEX.

Based on the evidence presented in the Technical Construction File, TIMCO Engineering, Inc., as appointed Notified Body (number 1177), has given a positive opinion that the product described is in conformity with the essential requirements Article 3.2 of R&TTE Directive 1999/5/EC. This Statement of Opinion is valid until June 13, 2017.

TIMCO ENGINEERING, INC. P.O. BOX 370 NEWBERRY, FL 32669 www.timcoengr.com	Designated as a U.S. CAB by NIST National Institute of Standards and Technology An agency of the U.S. Commerce Department	This Opinion is issued under the provision that TIMCO Engineering Inc. nor its subsidiary companies accept any liability concerning the contents of this document other than forced by law. Reproduction of the Opinion (with Annex) in full is allowed. Reproduction of parts of this certificate may only be allowed by written permission of TIMCO Engineering, Inc.
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ANNEX 1 TO STATEMENT OF OPINION

TCF-2742TC15

Date: January 6, 2016

PRODUCT SPECIFICATIONS

Intended Use/Category	:	SRD – Wideband Data Transmission System (802.11bgn)
RF output power	:	18.52 dBm EIRP
Frequency range (MHz)	:	2412-2472
Modulation	:	802.11b
Antenna type	:	Dipole (2 dBi)

Intended Use/Category	:	SRD – Wideband Data Transmission System (802.11bgn)
RF output power	:	19.84 dBm EIRP
Frequency range (MHz)	:	2412-2472
Modulation	:	802.11g
Antenna type	:	Dipole (2 dBi)

Intended Use/Category	:	SRD – Wideband Data Transmission System (802.11bgn)
RF output power	:	19.78 dBm EIRP
Frequency range (MHz)	:	2412-2472
Modulation	:	802.11n HT20
Antenna type	:	Dipole (2 dBi)

Intended Use/Category	:	SRD – Wideband Data Transmission System (Bluetooth BR/EDR)
RF output power	:	3.19 dBm EIRP
Frequency range (MHz)	:	2402-2480
Modulation	:	BR/EDR
Antenna type	:	Dipole (2 dBi)

Intended Use/Category	:	SRD – Wideband Data Transmission System (Bluetooth LE)
RF output power	:	3.12 dBm EIRP
Frequency range (MHz)	:	2402-2480
Modulation	:	LE
Antenna type	:	Dipole (2 dBi)

TCB

GRANT OF EQUIPMENT
AUTHORIZATION

TCB

Certification
Issued Under the Authority of the
Federal Communications Commission

By:

Timco Engineering, Inc.
849 NW State Road 45
P.O. Box 370,
Newberry, FL 32669

Date of Grant: 12/30/2015
Application Dated: 12/29/2015

Elo Touch Solutions, Inc.
1033 McCarthy Blvd
Milpitas, CA 95035

Attention: Angela Huang , Safety Engineer

NOT TRANSFERABLE

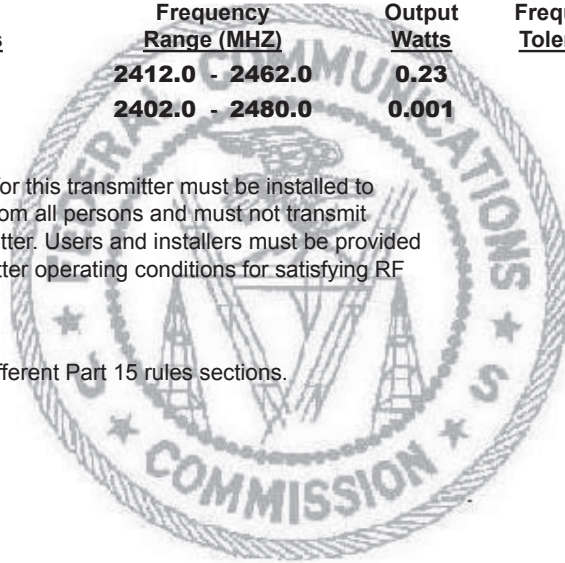
EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for the equipment identified hereon for use under the Commission's Rules and Regulations listed below.

FCC IDENTIFIER: RBWECMA
Name of Grantee: Elo Touch Solutions, Inc.
Equipment Class: Digital Transmission System
Notes: Interactive Digital Signage Computer Module

<u>Grant Notes</u>	<u>FCC Rule Parts</u>	<u>Frequency Range (MHZ)</u>	<u>Output Watts</u>	<u>Frequency Tolerance</u>	<u>Emission Designator</u>
CC	15C	2412.0 - 2462.0	0.23		
CC	15C	2402.0 - 2480.0	0.001		

Power 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 transmit simultaneously with any other antenna or transmitter. Users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

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



TCB

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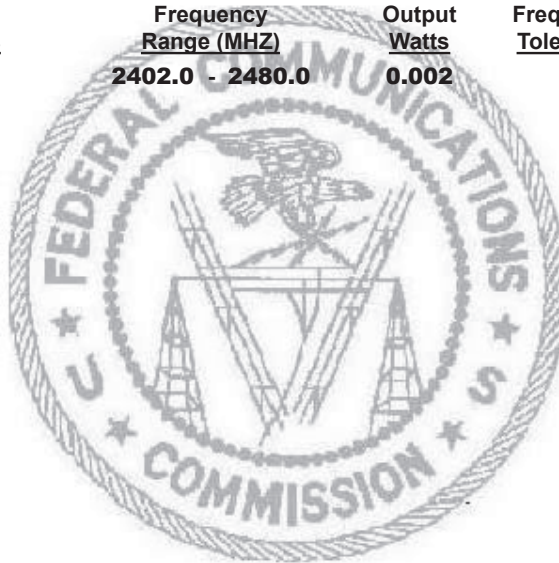
NOT TRANSFERABLE

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: RBWECMA
Name of Grantee: Elo Touch Solutions, Inc.
Equipment Class: Part 15 Spread Spectrum Transmitter
Notes: Interactive Digital Signage Computer Module

<u>Grant Notes</u>	<u>FCC Rule Parts</u>	<u>Frequency Range (MHZ)</u>	<u>Output Watts</u>	<u>Frequency Tolerance</u>	<u>Emission Designator</u>
	15C	2402.0 - 2480.0	0.002		

Power listed is conducted.



TIMCO ENGINEERING INC.

849 NW State Road 45
Newberry, Florida 32669

<http://www.timcoengr.com>

888.472.2424 F 352.472.2030 email: tei@timcoengr.com

12/30/2015

Our File: 2716IC15
Radio Cert. No.: IC: 10757B-ECMA

ELO TOUCH SOLUTIONS INC.
1033 McCarthy Blvd
Milpitas CA 95035 USA

Attention: Angela Huang

Dear Sir/Madame:

I have reviewed the test report and related documents, and am pleased to advise that this device meets our procedural and specification requirements for certification. The field offices have been notified.

The assigned certification number and the model number must be shown on each equipment model. This certification identification information may be shown on the equipment model identification plate or on a separate label that shall be indelible and tamper proof. The certification number shall be prefixed with the letters "IC:" Radio equipment is certified as described on the attached certification certificate.

Certificate(s) are attached for the following HVIN/ model(s):
ELO-KIT-ECMG2-AND

Please feel free to contact us if you have any questions or comments.

Sincerely,

Timco Engineering Inc.

Canadian Certification

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TIMCO ENGINEERING INC.

849 NW State Road 45
Newberry, Florida 32669
<http://www.timcoengr.com>

888.472.2424 F 352.472.2030 email: tei@timcoengr.com

No. ➤ 2716IC15

TECHNICAL ACCEPTANCE CERTIFICATE

Certification No.

➤ IC: 10757B-ECMA

Issued To

➤ ELO TOUCH SOLUTIONS
INC.
1033 McCarthy Blvd
Milpitas CA 95035 USA

Tested By

➤ SPORTON INTERNATIONAL INC.
Company No: 4086B
NO. 52, HWA YA 1ST RD., HWAYA TECHNOLOGY
PARK, KWEI SHAN DISTRICT TAOYUAN CITY,
333 TAIWAN
+886-3-327-3456 ex583; 886-2-2692-2255
elaine@sporton.com.tw; RFTCB@sporton.com.tw

Type of Equipment

➤ WLAN

Type of Service

➤ New Certification (Single)

Hardware Version Id Number (HVIN)

➤ ELO-KIT-ECMG2-AND

Product Marketing Name: (PMN)

➤ Interactive Digital Signage Computer Module

Firmware Version Id Number (FVIN)

➤ v00.004.01.p_00

Host Marketing (HMN)

➤ N/A

FREQUENCY RANGE	DESIGNATION OF EMISSIONS NECESSARY BANDWIDTH IN kHz	EMISSION CLASSIFICATION	R.F. POWER	ANTENNA INFO	SPECIFICATION/ ISSUE & DATE
2412 – 2462 MHz	14760.0	G1D	0.218 W	Dipole 2.0 dBi	RSS-247 Issue 1; May 15
2412 – 2462 MHz	19920.0	D1D	0.248 – 0.253 W	Dipole 2.0 dBi	RSS-247 Issue 1; May 15
2402 – 2480 MHz	1180.8	F1D	0.002 W	Dipole 2.0 dBi	RSS-247 Issue 1; May 15
2402 – 2480 MHz	1089.725	F1D	0.001 W	Dipole 2.0 dBi	RSS-247 Issue 1; May 15

Note1: This equipment also complies with RSS-102, Issue 5 (March 2015) and RSS-Gen, Issue 4 (Nov 2014)

Certification of equipment means only that the equipment has met the requirements of the above noted specifications. License applications, where applicable to use certified equipment, are acted on accordingly by the issuing office and will depend on the existing radio environment, service and location of operation.

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 et dépendent des conditions radio ambiantes, du service et de l'emplacement d'exploitation.

This certificate is issued on condition that the holder complies and will continue to comply with the requirements of the radio standards specifications and procedures issued by Industry Canada.

Le présent certificat est délivré à la condition que le titulaire satisfasse et continue de satisfaire aux exigences et aux procédures d'Industrie Canada.

I hereby attest that the subject equipment was tested and found in compliance with the above-noted specifications.

J'atteste par la présente que le matériel a fait l'objet d'essai et jugé conforme à la spécification ci-dessus.

ISSUED UNDER THE AUTHORITY OF MINISTER OF INDUSTRY
DÉLIVRÉ AVEC L'AUTORISATION DU MINISTRE DES INDUSTRIES



S. S. Sanders, President

DATE: December 30, 2015

Canadian Certification

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Ref. Certif. No.

DK-50072-UL

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

SYSTEME CEI D'ACCEPTATION MUTUELLE DE CERTIFICATS D'ESSAIS DES EQUIPEMENTS ELECTRIQUES (IECEE) METHODE OC

CB TEST CERTIFICATE

CERTIFICAT D'ESSAI OC

Product
Produit

Interactive Digital Signage Computer Module

Name and address of the applicant
Nom et adresse du demandeur

ELO TOUCH SOLUTIONS, INC.
1033 MCCARTHY BLVD. MILPITAS, CA 95035,
USA

Name and address of the manufacturer
Nom et adresse du fabricant

ELO TOUCH SOLUTIONS, INC.
1033 MCCARTHY BLVD. MILPITAS, CA 95035,
USA

Name and address of the factory
Nom et adresse de l'usine

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
Note: Lorsque il y plus d'une usine, veuillez utiliser la 2^{ème} page

Additional Information on page 2
I/P: DC19V, 1.5A

Ratings and principal characteristics
Valeurs nominales et caractéristiques principales

Trademark (if any)
Marque de fabrique (si elle existe)



Type of Manufacturer's Testing Laboratories used
Type de programme du laboratoire d'essais constructeur

ELO-KIT-ECMG2-AND

Model / Type Ref.
Ref. De type

Additional information (if necessary may also be reported on page 2)
Les informations complémentaires (si nécessaire,, peuvent être indiqués sur la 2^{ème} page

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

A sample of the product was tested and found to be in conformity with
Un échantillon de ce produit a été essayé et a été considéré conforme à la

Additional Information on page 2
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
Comme indiqué dans le Rapport d'essais numéro de référence qui constitue partie de ce Certificat

SU0143-15002 issued on 2015-11-24

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme **National de Certification**



- 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

Date: 2015-11-25

Signature:

Jan-Erik Storgaard

CERTIFICATE OF COMPLIANCE

Certificate Number 20151229-E162681
Report Reference E162681-A76-UL
Issue Date 2015-DECEMBER-29

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**

COMPONENT - INFORMATION TECHNOLOGY
EQUIPMENT INCLUDING ELECTRICAL BUSINESS
EQUIPMENT

Interactive Digital Signage Computer Module - ELO-KIT-
ECMG2-AND

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

Standard(s) for Safety: UL 60950-1 and 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 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.

Recognized components are incomplete in certain constructional features or restricted in performance
capabilities and are intended for use as components of complete equipment submitted for investigation rather
than for direct separate installation in the field. The final acceptance of the component is dependent upon its
installation and use in complete equipment submitted to UL LLC.

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/>

