

EU Declaration of Conformity

Model Number: ESY20XZ SERIES (Z can be 2, 3, 5,7)
Equipment Category: Information Technology and Telecommunications Equipment
Equipment Class: Commercial and Light Industrial
Product Name: Touch Computer
Manufacture Start Year: 2015

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 55032:2010/AC:2011 Class A
- EN 55024:2010
- EN 61000-3-2:2014
- EN 61000-3-3:2013 – Standard
- EN 61000-6-1:2007
- EN 61000-6-3:2007+A1:2011
- 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 61000-4-6:2013
- IEC 61000-4-8:2009
- IEC 61000-4-11:2004
- EN 300 328 V2.2.1
- ETSI EN 301 489-1 V2.1.1:2017
- ETSI EN 301 489-17 V3.2.1:2013
- ETSI EN 301 893 V2.1.1:2017
- 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

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.



VERIFICATION OF COMPLIANCE

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

**Technical Standard: FCC Part 15 SUBPART B Class A
IC ICES-003**

(Operation Environment: For Commercial ,Industrial or Business Use)

General Information

Applicant: Elo Touch Solutions, Inc.

Product Description

EUT Description: Touch Computer

Brand Name:



Model Number: ESY20XZ (Z=0-9, A-X or blank)

Measurement Facilities

Laboratory: **Compliance Certification Services Inc.**
*10#Weiye Rd, Innovation Park, Eco. & Tec, Development Zone, Kunshan city,
JiangSu, (215300) China.
Tel: + 86-512-57355888/ FAX: +86-512-57370818*

*This device has been shown to be in compliance with and was tested in accordance with the measurement procedures specified in the Standards & specifications listed above and as indicated in the measurement report number: **C151027E03-EF***

Jeff Fang

Jeff.Fang/ EMC Manager
Date: November 6, 2015

CCSRF 程智电子科技(昆山)有限公司
Compliance Certification Services(KunShan)Inc.



Ref. Certif. No.

JPTUV-061397-M3

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

Touch Computer

Name and address of the applicant
Nom et adresse du demandeur

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

Name and address of the manufacturer
Nom et adresse du fabricant

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

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

See additional page(s)

Ratings and principal characteristics
Valeurs nominales et caractéristiques principales

DC 19.0V, 4.74A, Class III
(for adapter model: ADP-90CE B; FSP090-DIEBN2)
DC 19.0 - 19.5V, 7.7A, Class III
(for adapter model: FSP150-ABB2; ADP-150VB B)
elo

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

N/A

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

Model / Type Ref.
Ref. de type

ESY15XZ, ESY17XZ, ESY20XZ
(Z = 0-9 or A-X or blank, for marketing purpose)

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

For model differences, refer to the test report.
Re-issue of JPTUV-061397-M2 dated 17.11.2015,
due to third modification.

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

IEC 60950-1:2005 + A1 + A2
See Test Report for National Differences

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

15077789 004

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



TÜV Rheinland Japan Ltd.
Global Technology Assessment Center
4-25-2 Kita-Yamata, Tsuzuki-ku
Yokohama 224-0021 Japan
Phone + 81 45 914-3888
Fax + 81 45 914-3354
Mail: info@jpn.tuv.com
Web: www.tuv.com

Date: 25.08.2017

Signature:

Mark Chen

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

Additional information (if necessary)
Information complémentaire (si nécessaire)

Report Ref. No.: 15077789 004

Date: 25.08.2017

Signature:


Mark Chen

CERTIFICATE OF COMPLIANCE

Certificate Number 20151116-E162681
Report Reference E162681-A72-UL
Issue Date 2015-November-16

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

Touch Computer: ESY15XZ, ESY17XZ, ESY20XZ; (Z=0-9, A-X
or blank, for marketing purpose only)

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 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, Assistant Chief Engineer, Global Inspection and Field Services

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 www.ul.com/contactus



Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50298509

Blatt *Page*
0003

Ihr Zeichen *Client Reference*
52135708

Unser Zeichen *Our Reference*
01-PYL- 15077790 003

Ausstellungsdatum
08.12.2015

Date of Issue
(day/mo/yr)

Genehmigungsinhaber *License Holder*
Elo Touch Solutions, Inc
1033 McCarthy Blvd,
Milpitas, CA 95035
USA

Prüfzeichen *Test Mark*



Bauart geprüft
Sicherheit
Regelmäßige
Produktions-
überwachung

www.tuv.com
ID 200000000

Geprüft nach *Tested acc. to*

EN 60950-1:2006+A11+A1+A12+A2

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Personalcomputer (Touch Computer)

wie Blätter (as pages) 0001-0002

Ergänzung
(Addition)

Type Designation : ESY20XZ
(Z can be 0-9 or A-X or blank, for marketing purpose)

2

2

ANLAGE (Appendix): 1.1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfergrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.
This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg
Tel.: (+49/221)8 06 - 13 71 e-mail: cert-validity@de.tuv.com
Fax: (+49/221)8 06 - 39 35 http://www.tuv.com/safety



Mark Chen

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.* Blatt *Page*
R 50298509 0004

Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Ausstellungsdatum	<i>Date of Issue</i> (day/mo/yr)
52200694	01-GXL- 15077790 004	29.08.2017	

Genehmigungsinhaber *License Holder*
Elo Touch Solutions, Inc
670 N. McCarthy Blvd.,
Suite 100 Milpitas, CA 95035
USA

Fertigungsstätte *Manufacturing Plant*

Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. to*
EN 60950-1:2006+A11+A1+A12+A2

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Personalcomputer (Touch Computer)

as page 0001

Change

Address of License Holder: See above

ANLAGE (Appendix): 1.1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.
This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg
Tel.: (+49/221)8 06 - 13 71 e-mail: cert-validity@de.tuv.com
Fax: (+49/221)8 06 - 39 35 http://www.tuv.com/safety



Mark Chen

Bluetooth® Product Listing

The Bluetooth SIG Hereby Recognizes

Elo Touch Solutions, Inc.

Member Company

D026063

Declaration ID

Referenced Qualified Design ID(s): 32675, 47492

Listing Date: 23 March 2015

Product Listing: ESY15X2, ESY15X3, ESY15X5, ESY15X7, ESY17X2, ESY17X3, ESY17X5, ESY17X7,
ESY20X2, ESY20X3, ESY20X5, ESY20X7

This certificate acknowledges the products declared by the member were listed in accordance with the *Bluetooth®* Qualification Process



差出人: aplimgr@vcci.jp
宛先: Masahiro.Tsumura
件名: [VCCI適合確認電子届出]受理証明書
日付: 2016年3月3日 9:41:46

適合確認届出

適合確認届出を受理しました。

届出番号:2015050874
受理番号:2015036089

<連絡先担当者情報>

<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-ト部

氏名:津村 昌弘

E-mail:masahiro.tsumura@elotouch.com

<連絡先担当者>

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-ト部

氏名:津村

TEL:045-478-2163

FAX:045-478-2180

E-mail:masahiro.tsumura@elotouch.com

<受理証明受信者>

部署名:技術サポ-ト部

E-mail:masahiro.tsumura@elotouch.com

届出種別:新規

機器の名称:タッチコンピュータ

機器の種別と分類記号:クラス A / 分類記号 B1

型式(モデルNo.):Elo Touch Solutions

ESY20XZ

Zは英数字

<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:
試験機関の名称: Compliance Certification Services Inc.
<試験設備等登録番号>
1) 1GHz以下放射妨害波測定設備: R-1600 (10m)
2) 1GHz超放射妨害波測定設備: G-216 (3m)
3) 電源ポート伝導妨害波測定設備: C-1707
4) 通信ポート伝導妨害波測定設備: T-1499
5) 第15条による試験所:
試験実施日: 2016-02-20 2016年2月21日
試験成績書番号: C160219E02-EV
変更/追加理由:

VCCIコメント:

一般財団法人 VCCI協会
URL : <http://www.vcci.jp/>
E-mail : aplimg@vcci.jp



中国国家强制性产品认证证书

证书编号：2017010901941930

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

触摸电脑

ESY20XZ (Z=0-9, A-X 或空白, 表示不同的销售区域, Z 的变化不影响产品的安全性能和电磁兼容性能) 输入 1: 19VDC, 4.74 A; 电源适配器 (可选): (1) ADP-90CE B, (2) FSP090-DIEBN2; 输入 2: 19-19.5VDC, 7.7 A; 电源适配器 (可选): (1) FSP150-ABBN2, (2) ADP-150VB B; 不带电线组件销售。

产品标准和技术要求

GB17625.1-2012; GB4943.1-2011; GB/T9254-2008

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: 2017 年 09 月 11 日 有效期至: 2022 年 02 月 23 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。

本证书为变更证书, 证书首次颁发日期: 2017 年 02 月 23 日

本证书的相关信息可通过国家认监委网站 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



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

CERTIFICATE NO.: 2017010901941930

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

[Redacted]

PRODUCT NAME, MODEL AND SPECIFICATION

Touch Computer

ESY20XZ (Z=0-9, A-X 或空白, 表示不同的销售区域, Z 的变化不影响产品的安全性能和电磁兼容性能) 输入 1: 19VDC, 4.74 A; 电源适配器 (可选): (1) AD P-90CE B, (2) FSP090-DIEBN2; 输入 2: 19-19.5VDC, 7.7 A; 电源适配器 (可选): (1) FSP150-ABBN2, (2) ADP-150VB B; 不带电线组件销售。

THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS

GB17625.1-2012; GB4943.1-2011; GB/T9254-2008

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: Sep.11,2017

Valid until: Feb.23,2022

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

Date of original issued: Feb.23,2017

The certificate information is available through CNCA's website: 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

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: 2017AJ4355

to the provisions with its CMIIT ID:

备注：该设备使用型号为RTL8821AE，CMIIT ID为2013AJ7899(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7月17日
Year Month Date

编号:2017-4355

Number

设备名称:

Equipment Name

5.8GHz/2.4GHz无线局域网/蓝牙设备

设备型号: ESY20X7

Equipment Type

系列型号: ESY**** (“*”=0-9、A-Z、a-z、-、_或空格等字符)。

主要功能:

Main Functions

数据传输

GFSK $\pi/4$ -DQPSK 8DPSK

调制方式:

Modulation Mode

BPSK/QPSK/16QAM/64QAM/256QAM/DBPSK/DQPSK/CCK

主要技术参数及其指标值:

Main Technical Parameters

频率范围:

Frequency Range

5725-5850MHz 2400-2483.5MHz

频率容限:

Frequency Tolerance

$\leq 20ppm$

发射功率:

Transmitting Power

$\leq 33dBm \leq 20dBm$ (EIRP)

占用带宽:

Occupied Bandwidth

$\leq 80MHz \leq 40MHz$

杂散发射限值:

Spurious Emission Limits

$\leq -30dBm$



(核发单位章)

Sealed by issuing authority

2017 年 7 月 17 日

Year Month Date

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条例》
In accordance with the provisions on the Radio

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: 2017DJ1501
to the provisions with its CMIIT ID:

备注: 该设备使用型号为RTL8723BE, CMIIT ID为2013DJ6714(M)的限制性非独立操作的无线电发射模块。



Sealed by issuing authority

2017 年 3 月 0 日
Year Month Date

有效期: 五年
Validity

2017-1501
编号:
Number

设备名称: 2.4GHz无线局域网/蓝牙设备
Equipment Name

ESY20X2

设备型号: ESY**** ("*" = 0-9, A-Z, a-z, -, +或空格等任意
Equipment Type 字符)。

主要功能: 数据传输
Main Functions

GFSK π /4-DQPSK 8DPSK

调制方式: BPSK/QPSK/16QAM/64QAM/DBPSK/DQPSK/CCK
Modulation Mode

主要技术参数及其指标值:
Main Technical Parameters

2400-2483.5MHz
频率范围:
Frequency Range

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

$\leq 40\text{MHz}$ $\leq 2\text{MHz}$
占用带宽:
Occupied Bandwidth

$\leq 20\text{dBm}$ (EIRP)
发射功率:
Transmitting Power

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

(核发单位章)
Sealed by issuing authority
2017 年 3 月 10 日
Year Month Date