



**AC200031**  
**AGENCY DOCUMENTS, ET1928L (3<sup>rd</sup> Edition)**

**REVISION HISTORY**

| Rev | Description                                      | Author.   | Approved by | Date               |
|-----|--|-----------|-------------|--------------------|
| A   | Initial release per ECO-12-016856                | Dean King | Dean King   | September 28, 2012 |
| B   | As per ECO-13-0202, update CB – ITE certificate. | Dean King | Dean King   | May 20, 2013       |

**DOC #:**

**AC200031**

Print Date: 20-May-13

**REV:**  
**B**

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CCC Certificate (6 pages).

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## Declaration of Conformity

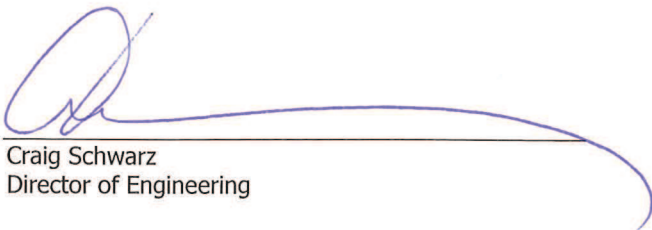
Application of Council Directives: 2004/108/EC, 2006/95/EC, & 93/68/EEC

Standards to which conformity is declared:

IEC 60950-1:2005 (Second Edition) +Am 1:2009 and EN 60950-1:2006+A11:2009 +A1:2010 +A12:2011  
IEC 60601-1:2005 (3rd Edition) + CORR. 1 (2006) + CORR. 2 (2007)  
ANSI/AAMI ES 60601-1: 2005, First Edition  
CAN/CSA-C22.2 No. 60601-1 (2008)  
UL 60601-1, 1st Edition, 2006-04-26  
CAN/CSA-C22.2 No. 601.1-M90, 2005  
CISPR 22: 2008 Class B  
EN 55022: 2010 Class B ITE  
AS/NZS CISPR22:2009 Class B ITE  
CISPR24:2010  
EN 55024: 2010  
FCC Part 15: Subpart B, Class B  
ICES-003: 2004, Class B  
V-3/2007.04, Class B  
EN 61000-6-1:2007  
EN 60601-1-2: 2007  
CISPR 11:2009 +A1:2010 (Group I, Class B)  
AS/NZS CISPR 11:2011 (Group I, Class B)  
EN 55011:2009 +A1:2010, (Group I, Class B)  
IEC 61000-3-2:2005 +A1:2008 +A2:2009 (The power consumption is less than 75W and no limits apply.)  
IEC 61000-3-3:2008  
IEC 61000-4-2: 2008 ED.2.0, 6 kV contact, 8 kV air  
IEC 61000-4-3: 2010 ED.3.2, 80-2500 MHz, 10 V/m, 80% AM (1 KHz)  
IEC 61000-4-4: 2012 ED.3.0, 2,0/1,0 kV (power/IO) at 5 KHz  
IEC 61000-4-5: 2005 ED.2.0, 1,0/2,0 kV L-L, L-E  
IEC 61000-4-6: 2008 ED.3.0, 0,15 – 80 MHz, 3 Vrms, 80% AM, 1 KHz  
IEC 61000-4-8: 2009 ED.2.0, 3 A/m 50-60 Hz  
IEC 61000-4-11: 2004 ED.2.0, 0/40/70% U<sub>T</sub>, dips, variations  
ENV 50204: 1995, 900 MHz, 3 V/m  
U.S. Rehabilitation Act Section 508

|                                  |  |
|----------------------------------|--|
| Manufacturer's Name and Address: | Elo Touch Solutions, Inc.<br>1033 McCarthy Blvd<br>Milpitas, CA 95035                    |
| Manufacturer's Address in EU:    | Elo Touch Solutions (Belgium) NV<br>Kolonel Begaultlaan 1C11<br>B-3012 Leuven<br>Belgium |
| Type of Equipment                | LCD Touch Monitor  |
| Product Name:                    | 48,3 cm (19 in.) LCD Touch Monitor   |
| Model Number(s)                  | ET1928L-XYZM*, (X=0-9/A-Z, Y= C/N/S/U, Z=A-Z, *= suffixes)                               |
| First Year of Manufacture :      | 2012   |

I hereby declare that the equipment specified above conforms to the above Directives and Standard(s).



Craig Schwarz  
Director of Engineering

20130422





Ref. Certif. No.

SE-72413

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

LCD Touch Monitor

Name and address of the applicant  
Nom et adresse du demandeur

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

Name and address of the manufacturer  
Nom et adresse du fabricant

Same as above

Name and address of the factory  
Nom et adresse de l'usine  
Note: When more than one factory, please report on page 2  
Note: Lorsque il y a plus d'une usine, veuillez utiliser la 2<sup>ème</sup> page

See page 2

Ratings and principal characteristics  
Valeurs nominales et caractéristiques principales

Input: 12 Vdc, 4A, Class III

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

Elo Touch Solutions

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

-

Model / Type Ref.  
Ref. De type

ET1928L\*\*\*\*\*

Additional information (if necessary may also be  
reported on page 2)  
Les informations complémentaires (si nécessaire,  
peuvent être indiqués sur la 2<sup>ème</sup> page)

See page 2

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.  
(EN 60950-1:2006+A11+A1+A12)

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

TP13020216-ST

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

Intertek Semko AB  
Box 1103  
SE-164 22 Kista, Sweden  
Int +46 8 750 00 00

Date: 22 March 2013

Intertek

Signature:

Bo Berglöv





Ref. Certif. No.

SE-72413

**Factories**  
**Les usines**

Elo Touch Solutions, Inc.  
2245 Brighton-Henrietta Town Line Rd Rochester NY 14623, USA

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

The national differences for AU, CA, JP, KR and US have been checked.

The requirements of the following countries have also been checked and found to include no national differences from the IEC 60950-1:2005 standard: JP.

The "\*" in the type designation ET1928L\*\*\*\*\* can be 0 - 9, A - Z, hyphen or blank for marketing purpose, only different model designations on the marking plate for different markets. No safety concern.

Date: 22 March 2013

Signature:



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

LCD Monitor

Name and address of the applicant  
Nom et adresse du demandeur

Elo TouchSystems, Inc.  
301 Constitution Drive  
Menlo Park CA 94025-1111, USA

Name and address of the manufacturer  
Nom et adresse du fabricant

Elo TouchSystems, Inc.  
301 Constitution Drive  
Menlo Park CA 94025-1111, USA

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

☒ Additional Information page 2

Note: When more than one factory, please report on page 2  
Note: Lorsque il y plus d'une usine, veuillez utiliser la 2<sup>ème</sup> page

Ratings and principal characteristics  
Valeurs nominales et caractéristiques principales

DC 12V; 4A

Trade mark (if any)  
Marque de fabrique (si elle existe)

TE connectivity

Model/type Ref.  
Ref. de type

ET1928L-XXXN-X-XXXXXXXXXXXXXXXXXX  
(X = A-Z, 0-9, hyphen or blank for marketing purpose)  
ET1928L-XXXM-X-XXXXXXXXXXXXXXXXXX  
(X = A-Z, 0-9, hyphen or blank for marketing purpose)

Additional information (if necessary may also be  
reported on page 2)  
Les Information complémentaire (si nécessaire,  
peuvent être indiqués sur la 2<sup>ème</sup> page)

Models differ in model name only.

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

**PUBLICATION** **EDITION**  
IEC 60601-1:2005  
for national deviations see test report

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 une partie de ce Certificat

11028194 001

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 LGA Products GmbH  
Tillystraße 2 · 90431 Nürnberg, Germany  
Phone + 49 221 806-1371  
Fax + 49 221 806-3935  
Mail: cert-validity@de.tuv.com  
Web: www.tuv.com



Date: 30.04.2012

Signature:

Dipl.-Ing. W. Hsu

## UL TEST REPORT AND PROCEDURE

|                                    |   |
|------------------------------------|---|
| <b>Standard:</b>                   | ANSI/AAMI ES60601-1 (2005 + C1:09 + A2:10)(Medical Electrical Equipment - Part 1: General Requirements for Basic Safety and Essential Performance)<br>CAN/CSA-C22.2 No. 60601-1 (2008) (Medical Electrical Equipment - Part 1: General Requirements for Basic Safety and Essential Performance) |
| <b>Certification Type:</b>         | Classification  |
| <b>CCN:</b>                        | MDAF, MDAF7 (Medical Equipment - General Medical Equipment)   |
| <b>Product:</b>                    | LCD Desktop Touchmonitor  |
| <b>Model:</b>                      | ET1928L-XXXM-XXXXXXXXXXXXXXXXXXXXX (X Can be 0-9, A-Z or blank, X for marking purpose, not relates to any safety issue)   |
| <b>Rating:</b>                     | Adaptor Input<br>100-240 V ac, 60/50 Hz, 1.2-0.63 A<br>Adaptor DC output/LCD Monitor DC input<br>12.0 V dc, 4.0 A   |
| <b>Applicant Name and Address:</b> |   |

This is to certify that representative samples of the products covered by this Test Report have been investigated in accordance with the above referenced Standards. The products have been found to comply with the requirements covering the category and the products are judged to be eligible for Follow-Up Service under the indicated Test Procedure. The manufacturer is authorized to use the UL Mark on such products which comply with this Test Report and any other applicable requirements of UL LLC ('UL') in accordance with the Follow-Up Service Agreement. Only those products which properly bear the UL Mark are considered as being covered by UL's Follow-Up Service under the indicated Test Procedure.

The applicant is authorized to reproduce the referenced Test Report provided it is reproduced in its entirety.

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL.

Prepared by: David Shih

Reviewed by: Jimmy Deng



**Supporting Documentation**

The following documents located at the beginning of this Procedure supplement the requirements of this Test Report:

- A. Authorization - The Authorization page may include additional Factory Identification Code markings.
- B. Generic Inspection Instructions -
  - i. Part AC details important information which may be applicable to products covered by this Procedure. Products described in this Test Report must comply with any applicable items listed unless otherwise stated in the body of this Test Report.
  - ii. Part AE details any requirements which may be applicable to all products covered by this Procedure. Products described in this Test Report must comply with any applicable items listed unless otherwise stated in the body of each Test Report.
  - iii. Part AF details the requirements for the UL Certification Mark which is not controlled by the technical standard used to investigate these products. Products are permitted to bear only the Certification Mark(s) corresponding to the countries for which it is certified, as indicated in each Test Report.

**Product Description**

The 1928L is available in serial and USB(combo) touch interface as well as non-touch. The 1928L functionally consists of a 19" LCD main display with a touchscreen. The main display element is a 19" diagonal SXGA resolution (1280 x 1024) LCD display. The display consists of an LCD display and touchscreen. The 1928L is powered by 12 VDC from an external medical grade power source.

The 1928L is a medical display designed to present information to the operator and the customer.

**Model Differences**

N/A

**Technical Considerations**

- Classification of installation and use : Portable
- Device type (component/sub-assembly/ equipment/ system) : Equipment
- Intended use (Including type of patient, application location) : None
- Mode of operation : Continuous
- Supply connection : Appliance coupler
- Accessories and detachable parts included : None
- Other options include : None
- The product was investigated to the following additional standards:: CAN/CSA-C22.2 No. 60601-1 (2008) (Medical Electrical Equipment - Part 1: General Requirements for Basic Safety and Essential Performance) (includes National Differences for Canada), ANSI/AAMI ES60601-1 (2005 + C1:09 + A2:10) (Medical Electrical Equipment - Part 1: General Requirements for Basic Safety and Essential Performance) (includes Deviations for United States)
- The product was not investigated to the following standards or clauses:: Electromagnetic Compatibility (IEC 60601-1-2), Clause 14, Programmable Electronic Systems, Biocompatibility (ISO 10993-1)
- The degree of protection against harmful ingress of water is:: IPX1
- The mode of operation is:: Continuous
- The product is suitable for use in the presence of a flammable anesthetics mixture with air or oxygen or with nitrous oxide:: No

## UL TEST REPORT AND PROCEDURE

|                            |   |
|----------------------------|---|
| <b>Standard:</b>           | UL 60601-1, 1st Edition, 2006-04-26 (Medical Electrical Equipment, Part 1: General Requirements for Safety)<br>CAN/CSA-C22.2 No. 601.1-M90, 2005 (Medical Electrical Equipment - Part 1: General Requirements for Safety) |
| <b>Certification Type:</b> | Classification  |
| <b>CCN:</b>                | PIDF, PIDF7 (Medical Electrical Equipment)  |

|                 |  |
|-----------------|--|
| <b>Product:</b> | LCD Desktop Touchmonitor   |
| <b>Model:</b>   | ET1928L-XXXM-X-XXXXXXXXXX, where X may be A-Z, 0-9, hyphen or blank.   |
| <b>Rating:</b>  | LCD Desktop Touchmonitor:<br>Input: 12 Vdc, 4.0 A<br><br>Power Adaptor<br>Hitron Electronics Corp. model:HES49-12040<br>Input:100-240 Vac, 1.0 A, 50/60 Hz<br>Output: 12 V dc, 4 A.<br><br>(Alternate) Power Adaptor<br>Hitron Electronics Corp. model:HEMG49-S120400-7<br>Input: 100-240 V ac, 1.2-0.63A, 50/60 Hz<br>Output: 12 V dc, 4 A. |

|                                    |  |
|------------------------------------|--|
| <b>Applicant Name and Address:</b> |  |
|------------------------------------|--|

This is to certify that representative samples of the products covered by this Test Report have been investigated in accordance with the above referenced Standards. The products have been found to comply with the requirements covering the category and the products are judged to be eligible for Follow-Up Service under the indicated Test Procedure. The manufacturer is authorized to use the UL Mark on such products which comply with this Test Report and any other applicable requirements of UL LLC ('UL') in accordance with the Follow-Up Service Agreement. Only those products which properly bear the UL Mark are considered as being covered by UL's Follow-Up Service under the indicated Test Procedure.

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Prepared by: David Shih

Reviewed by: Jimmy Deng

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#### **Supporting Documentation**

The following documents located at the beginning of this Procedure supplement the requirements of this Test Report:

- A. Authorization - The Authorization page may include additional Factory Identification Code markings.
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  - i. Part AC details important information which may be applicable to products covered by this Procedure. Products described in this Test Report must comply with any applicable items listed unless otherwise stated in the body of this Test Report.
  - ii. Part AE details any requirements which may be applicable to all products covered by this Procedure. Products described in this Test Report must comply with any applicable items listed unless otherwise stated in the body of each Test Report.
  - iii. Part AF details the requirements for the UL Certification Mark which is not controlled by the technical standard used to investigate these products. Products are permitted to bear only the Certification Mark(s) corresponding to the countries for which it is certified, as indicated in each Test Report.

#### Product Description

The product covered is an accessory intended for use with Medical Equipment to display alpha, numerical and graphical data. The subject equipment consists of a LCD display comprising of amorphous silicon TFT attached to each signal electrode, a driving circuit, and a back light, powered by an external recognized AC/DC power adaptor (Hitron Electronics Corp., Model HES49-12040; QQHM2). (Alternate: Hitron Electronics Corp. model:HEMG49-S120400-7)

#### Model Differences

N/A

#### Technical Considerations

- Classification of installation and use : Portable
- Supply connection : Appliance coupler
- Accessories and detachable parts included in the evaluation : None
- Options included : None
- The product was investigated to the following additional standards:: CAN/CSA-C22.2 No. 601.1-M90 (R2005) (includes National Differences for Canada), UL 60601-1, 1st Edition, 2006-04-26 (includes National Differences for USA),
- The product was not investigated to the following standards or clauses:: Clause 52.1, Programmable Electronic Systems (IEC 601-1-4) , Clause 48, Biocompatibility (ISO 10993-1) , Clause 36, Electromagnetic Compatibility (IEC 601-1-2)
- The product is Classified only to the following hazards:: Casualty , Shock , Fire
- The degree of protection against harmful ingress of water is:: Ordinary
- The mode of operation is:: Continuous
- Software is relied upon for meeting safety requirements related to mechanical, fire and shock:: No
- The product is suitable for use in the presence of a flammable anesthetics mixture with air or oxygen or with nitrous oxide:: No

#### Additional Information

Project 06CA59197, Amendment 1:  
1. To alternate a Humidity Preconditioning Treatment Test in IPX1 test condition.

Project 07CB07338, , Amendment 2:  
1. To modify the information of IPX1 in Label and User Manual.

Project 07CA14754, , Amendment 3:  
1.To add VESA Mounting Function and Change Base to be optional.

Project 08CA03217, , Reissue 1:  
1. Change front enclosure to "MIN HB".


Project 10CA04218, , Reissue 1\_Amendment 1:  
Alternate a LCD panel, Samsung/model LTM190E4-L02

Test Record 3 (12CA25519)  
Alternate a Power Adaptor, Hitron Electronics Corp. model:HEMG49-S120400-7

#### Additional Standards

The product fulfills the requirements of: CAN/CSA-C22.2 No. 601.1-M90 (R2005) (includes National Differences for Canada)

#### Markings and instructions

| Clause Title                              | Marking or Instruction Details   |
|---|--|
| Company identification                    | Classified or Recognized company's name, Trade name, Trademark or File   |
| Model                                     | Model number   |
| Supply Connection                         | Voltage range, ac/dc, phases if more than single phase   |
| Supply Frequency                          | Rated frequency range in hertz   |
| Power Input                               | Amps, VA, or Watts   |
| IP Rating                                 | IPX1   |
| Mode of Operation                         | Continuous   |
| Attention, consult accompanying documents |   |
| US Hospital Grade Marking                 | "Grounding Reliability Can Only Be Achieved When The Equipment Is Connected To An Equivalent Receptacle Marked 'Hospital Only' Or 'Hospital Grade'." (located on product or power supply cord) |

#### Special Instructions to UL Representative

N/A





# 中国国家强制性产品认证证书

证书编号: 2010010903427943

委托人名称、地址

Elo TouchSystems, Inc  
301 Constitution Drive, Menlo Park, CA 94025-1111 USA

生产者(制造商)名称、地址

Elo TouchSystems, Inc  
301 Constitution Drive, Menlo Park, CA 94025-1111 USA

生产企业名称、地址

产品名称和系列、规格、型号

液晶触控显示器

ET1928L-\*\*\*M-\*-\*\*\*\*\* (\*=0~9, A~Z, 连字符或空白, \*代表销售区域不同, 不影响安全和电磁兼容) 12VDC, 4A Class III (电源适配器(可选): HES49-12040 输出: 12VDC 4A; HEMG49-S120400-7 输出: 12VDC, 4A) (电线组件可选)

产品标准和技术要求

GB9254-2008 GB4943-2001 GB17625.1-2003

上述产品符合强制性产品认证实施规则  
CNCA-01C-020: 2010的要求, 特发此证。

发证日期: 2012年06月08日

有效期至: 2015年01月28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: 2010年08月30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

中国·北京·南四环西路188号9区 100070

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



Q 0546226





# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No. : 2010010903427943

## NAME AND ADDRESS OF THE APPLICANT

Elo TouchSystems, Inc  
301 Constitution Drive, Menlo Park, CA 94025-1111 USA

## NAME AND ADDRESS OF THE MANUFACTURER

Elo TouchSystems, Inc  
301 Constitution Drive, Menlo Park, CA 94025-1111 USA

## NAME AND ADDRESS OF THE FACTORY

## NAME, MODEL AND SPECIFICATION

LCD Touch Monitor

ET1928L-\*\*\*\*M-\*\*-\*\*\*\*\* (\*=0~9, A~Z, 连字符或空白, \*代表销售区域不同, 不影响安全和电磁兼容) 12VDC, 4A Class III (电源适配器(可选): HES49-12040 输出: 12VDC 4A;HEMG49-S120400-7 输出: 12VDC, 4A) (电线组件可选)

## THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS

GB9254-2008 GB4943-2001 GB17625.1-2003

This is to certify that the above mentioned products have met the requirements of implementation rules for compulsory certification(REF NO. CNCA-01C-020:2010).

Date of issue: Jun.08,2012 Date of expiry: Jan.28,2015

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

Date of original certification: Aug.30,2010

This certificate can be verified through CNCA's website: [www.cnca.gov.cn](http://www.cnca.gov.cn)



President:

Wang Kejiao

CHINA QUALITY CERTIFICATION CENTRE

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

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



Q 0546226





# 中国国家强制性产品认证证书

## 变更结论

### Modification Approval

证书编号Certificate No.: 2010010903427943

申请编号Application No.: A2012CCC0903-1288733

申请人Applicant: Elo TouchSystems, Inc Elo TouchSystems, Inc

证书编号Certificate No. (变更前Original): 2010010903427943

证书编号Certificate No. (变更后Present): 2010010903427943

变更产品名称 液晶触控显示器

Name of Product Modified: LCD Touch Monitor

型号Model/Type: ET1928L-\*\*\*M-\*\*\*\*\* (\*=0~9, A~Z, 连字符或空白, \*代表销售区域不同, 不影响安全和电磁兼容) 12VDC, 4A Class III (电源适配器 (可选): HES49-12040 输出: 12VDC 4A; HEMG49-S120400-7 输出: 12VDC, 4A) (电线组件可选)

变更情况Situation of Modification:

见附件See Annex:

| 序号 | 项目Item                           | 变更前Original                                     | 变更后Present  |
|----|----------------------------------|---|---|
| 1  | 3. 删除原报告中适配器, 新增一款适配器, 适配器并变更为可选 | 见原报告<br>C-003-20101630(A2010CC<br>C0903-962641) | 电源适配器 (可选)<br>1. 型号: HES49-12040<br>输入: 100-240 VAC, 50/60 Hz, 1.0 A,<br>输出: 12VDC, 4A (产品销售时不配备电线组<br>件)<br>生产者: 海昌电子股份有限公司<br>生产企业: 福州山昌电子有限公司<br>认证标准: GB4943-2001,<br>GB9254-2008, GB17625.1-2003<br>CCC证书号: 2007010907241678 |

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主任:

中国质量认证中心

中国·北京·南四环西路 188 号 9 区 100070

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







# 中国国家强制性产品认证证书

变更结论

Modification Approval

证书编号Certificate No.: 2010010903427943

|   |                               |  |   |
|---|-------------------------------|--|---|
|   |                               |  | 2. 型号: HEMG49-S120400-7<br>输入: 100-240Vac, 60/50Hz, 1.2-0.63A<br>输出: 12Vdc, 4A, 48W max<br>(产品不带电线组件销售)<br>生产者: 海昌电子股份有限公司<br>生产企业: 福州山昌电子有限公司<br>认证标准: GB4943-2001,<br>GB9254-2008, GB17625.1-2003<br>CCC证书号: 2012010907543076 |
| 2 | 4. 修正EMC清单中信号线中的磁环 (VGA) (可选) | 见原报告<br>C-003-20101630 (A2010CC<br>C0903-962641) | 1. 型号: F2<br>规格: 14.2*28.5*7.2 mm<br>制造商: 湖州科峰磁业有限公司<br>2. 型号: F12<br>规格: 12*20*6.5 mm<br>制造商: 湖州科峰磁业有限公司<br>3. 型号: F5B<br>规格: 14.2*28.5*6.7 mm<br>制造商: 优磁电子有限公司<br>4. 型号: YM<br>规格: 14.2*28.5*7.2 mm<br>制造商: 苏州阳山电子有限公司        |
| 3 | 5. 修正EMC清单中信号线中的磁环 (DVI) (可选) | 见原报告<br>C-003-20101630 (A2010CC<br>C0903-962641) | 1. 型号: F2<br>规格: 14.2*28.5*7.2 mm<br>制造商: 湖州科峰磁业有限公司<br>2. 型号: F12<br>规格: 12*20*6.5 mm<br>制造商: 湖州科峰磁业有限公司   |

第 2 页 / 共 4 页



主任:

中国质量认证中心

中国 · 北京 · 南四环西路 188 号 9 区 100070

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







# 中国国家强制性产品认证证书

## 变更结论

### Modification Approval

证书编号Certificate No.: 2010010903427943

|   |                                   |   |  |
|---|-----------------------------------|---|--|
|   |                                   |   | 3. 型号: F5B<br>规格: 14.2*28.5*6.7 mm<br>制造商: 优磁电子有限公司<br>4. 型号: YM<br>规格: 14.2*28.5*7.2 mm<br>制造商: 苏州阳山电子有限公司  |
| 4 | 6. 在EMC清单中补充显示屏<br>(不含LCD控制电路) 信息 | 见原报告<br>C-003-20101630(A2010CC<br>C0903-962641) | 1. 型号: M190EG01<br>规格: 19" TFT-LCD, V-1min.<br>制造商: AU OPTRONICS<br>CORPORATION<br>2. 型号: LTM190E4-L02<br>规格: 19" TFT-LCD, V-1min.<br>制造商: Samsung |
| 5 | 7. 修正LCD控制电路信息                    | 见原报告<br>C-003-20101630(A2010CC<br>C0903-962641) | 集成在主板上   |
| 6 | 8. 增加一款铭牌样式                       | 见原报告<br>C-003-20101630(A2010CC<br>C0903-962641) | 见申请编号: A2012CCC0903-1288733检测机<br>构变更确认表   |
| 7 | 1. 实施规则版本变更                       | CNCA-01C-020:2007                               | CNCA-01C-020:2010  |
| 8 | 2. 增加电线组件, 并为修<br>正为(可选)          | 见原报告<br>C-003-20101630(A20                      | 电线组件(可选)<br>1. 型号: LSG-31+LS-70, LSG-31L+L   |

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# 中国国家强制性产品认证证书

变更结论

Modification Approval

证书编号Certificate No.: 2010010903427943

|  |  |                   |   |
|--|--|-------------------|---|
|  |  | 10CCC0903-962641) | <p>S-70L, LSG-31L+LS-70, LSG-31+LS-70L<br/>规格: 250V, 10A(配60227IEC53, 3X0.75平方毫米, 3X1平方毫米)<br/>生产者: 宝安松岗良维电子厂<br/>生产企业: 宝安松岗良维电子厂<br/>认证标准: GB15934-2008<br/>CCC证书号: 2009010101348285</p> <p>本次增加:<br/>2. 型号: SP-504+IS-14, SP-504+IS-15,<br/>SP-506+IS-14, SP-506+IS-15, SP-<br/>506A+IS-14, SP-506A+IS-15<br/>规格: 250V, 10A(配60227IEC53 3X0.75平方毫米, 3X1平方毫米)<br/>生产者: 深圳市宝安区松岗镒胜制品厂<br/>生产企业: 深圳市宝安区松岗镒胜制品厂<br/>认证标准: GB15934-2008<br/>CCC证书号: 2007010101232000</p> |
|--|--|-------------------|---|

Above Modification is approved. The present will replace the original.

现批准以上变更。

批准日期 (Date): 2012-06-08

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主任:

中国质量认证中心

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# CERTIFICATE OF CONFORMITY




**Equipment** : 19" LCD Touch monitor  
**Brand Name** : TE Connectivity, Elo, TPS, TYCO  
**Test Model No.** : ET1928L-8CJM-1-BG-NKD-G  
**Multiple Listing** : ET1928LXXXXXXXXXXXXXXXXXXXXX  
(X= 0-9, A-Z, hyphen or blank)  
**Applicant** : Elo TouchSystems Inc.  
**Test Report No.** : CE970618A12D



We, **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, declare that the equipment above has been tested in our facility and found compliance with the requirement limits of applicable standards. The test record, data evaluation and Equipment Under Test (EUT) configurations represented herein are true and accurate under the standards herein specified.

|  |                            |
|--|----------------------------|
| <b>CISPR 22:2008, Class B</b>              | <b>EN 61000-6-1: 2007</b>  |
| <b>EN 55022:2010, Class B</b>              | <b>CISPR 24:2010</b>       |
| <b>AS/NZS CISPR 22:2009, Class B</b>       | <b>EN 55024:2010</b>       |
| <b>EN 61000-3-2:2006 +A1:2009 +A2:2009</b> | IEC 61000-4-2:2008 ED.2.0  |
| <b>EN 61000-3-3:2008</b>                   | IEC 61000-4-3:2010 ED.3.2  |
|  | IEC 61000-4-4:2012 ED.3.0  |
|  | IEC 61000-4-5:2005 ED.2.0  |
|  | IEC 61000-4-6:2008 ED.3.0  |
|  | IEC 61000-4-8:2009 ED.2.0  |
|  | IEC 61000-4-11:2004 ED.2.0 |
|  | <b>ENV 50204: 1995</b>     |

**Notes:** The above IEC basic standards are applied with latest version if customer has no special requirement  
In accordance with the council directive 2004/108/EC

  
Kenny Meng / Assistant Manager  
Sep. 21, 2012

No. 47, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan ( R.O.C. )  
Tel: 886-2-26052180 Fax: 886-2-26051924  
<http://www.adt.com.tw> E-Mail: [service.adt@tw.bureauveritas.com](mailto:service.adt@tw.bureauveritas.com)



# CERTIFICATE OF CONFORMITY



**Equipment** : 19" LCD Touch monitor  
**Brand Name** : TE Connectivity, Elo, TPS, TYCO  
**Test Model No.** : ET1928L-8CJM-1-BG-NKD-G  
**Multiple Listing** : ET1928LXXXXXXXXXXXXXXXXXXXXX  
(X= 0-9, A-Z, hyphen or blank)  
**Applicant** : Elo TouchSystems Inc.  
**Test Report No.** : CE970618A12C



We, **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, declare that the equipment above has been tested in our facility and found compliance with the requirement limits of applicable standards. The test record, data evaluation and Equipment Under Test (EUT) configurations represented herein are true and accurate under the standards herein specified.

EN 60601-1-2:2007

*The EMC limits and test methods are referred to the following standards:*

**Emission:**

**Immunity:**

**CISPR 11:2009 +A1:2010** (Group I, Class B) IEC 61000-4-2:2008 ED.2.0

**AS/NZS CISPR 11:2011** (Group I, Class B) IEC 61000-4-3:2010 ED.3.2

**EN 55011:2009 +A1:2010**, (Group I, Class B) IEC 61000-4-4:2011 ED.2.1

**IEC 61000-3-2:2005 +A1:2008 +A2:2009** IEC 61000-4-5:2005 ED.2.0

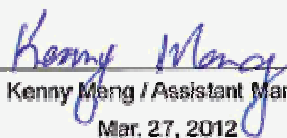
**IEC 61000-3-3:2008** IEC 61000-4-6:2008 ED.3.0

IEC 61000-4-8:2009 ED.2.0

IEC 61000-4-11:2004 ED.2.0

ENV 50204:1995

**Notes:** The above IEC basic standards are applied with latest version if customer has no special requirement  
In accordance with the council directive 2004/108/EC

  
Kenny Meng / Assistant Manager  
Mar. 27, 2012

No. 47, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan ( R.O.C. )

Tel: 886-2-26052180 Fax: 886-2-26051924

<http://www.adt.com.tw> E-Mail: [service.adt@tw.bureauveritas.com](mailto:service.adt@tw.bureauveritas.com)





# CERTIFICATE OF CONFORMITY



**Equipment** : 19" LCD Touch monitor  
**Brand Name** : TE Connectivity, Elo, TPS, TYCO  
**Test Model No.** : ET1928L-8CJM-1-BG-NKD-G  
**Multiple Listing** : ET1928LXXXXXXXXXXXXXXXXXXXXX  
(X= 0-9, A-Z, hyphen or blank)  
**Applicant** : Elo TouchSystems Inc.  
**Test Report No.** : FD970618A12C

We, **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, declare that the equipment above has been tested in our facility and found compliance with the requirement limits of applicable standards. The test record, data evaluation and Equipment Under Test (EUT) configurations represented herein are true and accurate under the standards herein specified.

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**FCC Part 15, Subpart B, Class B**

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**ICES-003: 2004, Class B**

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**ANSI C63.4-2003**

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Kenny Meng / Assistant Manager  
Mar. 27, 2012

No. 47, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan ( R.O.C. )

Tel: 886-2-26052180 Fax: 886-2-26051924

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## 변경신고 처리결과 통보서

|          |          |   |                |                     |
|----------|----------|---|----------------|---------------------|
| 전자민원신청번호 |          | 201215701000052350  | 접수일자           | 2012-04-04          |
| 대상<br>기기 | 상호 또는 성명 | TYCO ELECTRONICS, ELO<br>TOUCHSYSTEMS   | 적합성평가 분야       | 적합인증                |
|          | 기자재의 명칭  | LCD Touch Monitor   | 기본모델명          | ET1928L-7CAM-1-GY-G |
|          | 적합성평가 번호 | TY1-ET1928L7CAM1GY  | 적합성평가<br>연 월 일 | 2012-04-09          |
| 변경 사항    |          | 변경 전  | 변경 후           |                     |
| 기술기준     |          | <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> Adaptor:HES49-12040 / Taiwan<br/>HiTRON electronics<br/>corporation </div> <div style="width: 45%;"> Adaptor:HEMG49-S120400-7 /<br/>China<br/>HiTRON electronics<br/>corporation </div> </div> |                |                     |

「방송통신기자재등의 적합성평가에 관한 고시」 제16조에 따른 적합성평가  
사항의 변경신고 건에 대하여 위와 같이 변경처리 되었음을 알려드립니다.

2012년(Year) 04월(Month) 09일(Date)

국립전파연구원장





# 經濟部標準檢驗局

BUREAU OF STANDARDS METROLOGY AND INSPECTION  
MINISTRY OF ECONOMIC AFFAIRS



## 商品驗證登錄證書

CERTIFICATE OF THE REGISTRATION OF PRODUCT CERTIFICATION

證書號碼： CI311065240622 號 00

Certificate No.

茲據 台灣泰科電子股份有限公司  
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

R31524

。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.

R31524.

Details of the registration are follows:

申請人：台灣泰科電子股份有限公司

Applicant

統一編號：22522138

Uniform No.

地址：臺北市信義區東興路45號3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：液晶觸控顯示器

Chinese name

英文名稱：LCD Touch Monitor

English name

型式：ET1928L-8CWM

Type

系列型式：詳如附表

Series of the type

依據標準：CNS14336-1 (99年版)、CNS13438 (95年完整版)

Standards

標準檢驗局或所屬分局發證

(本證書經驗證機關使用鋼印後生效)

This certificate shall be issued by the BSMI or its branches.

(This certificate will become effective only when stamped with the BSMI seal.)

|                   |      |        |    |         |    |       |
|-------------------|------|--------|----|---------|----|-------|
| 登錄日期：中華民國         | 101  | 年      | 06 | 月       | 18 | 日     |
| Registration Date | 2012 | (year) | 06 | (month) | 18 | (day) |
| 本證書有效期限至          | 104  | 年      | 06 | 月       | 17 | 日     |
| Expiration Date   | 2015 | (year) | 06 | (month) | 17 | (day) |
| 發證日期：中華民國         | 101  | 年      | 06 | 月       | 18 | 日     |
| Date of issue     | 2012 | (year) | 06 | (month) | 18 | (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。



經濟部標準檢驗局

BUREAU OF STANDARDS METROLOGY AND INSPECTION  
MINISTRY OF ECONOMIC AFFAIRS

商品驗證登錄證書

CERTIFICATE OF THE REGISTRATION OF PRODUCT CERTIFICATION

證書號碼： CI311065240622 號 00

Certificate No.

系列型式： ET1928L-ONAM-1-BG-3-G

Series of the type

ET1928L-ONAM-1-GY-3-G

ET1928L-ONWM-1-BG-3-G

ET1928L-ONWM-1-GY-3-G

ET1928L-ONWM-1-ROGH2-3-G

ET1928L-ONWM-1-ROGH3-3-G

ET1928L-7CAM-1-BG-3-G

ET1928L-7CAM-1-GY-3-G

ET1928L-7CEM-1-ROAF-3-G

ET1928L-7CJM-1-BG-3-G

ET1928L-7CWM

ET1928L-7CWM-1-BG-3-G

ET1928L-7CWM-1-GY-3-G

ET1928L-7CWM-1-RROB-G

ET1928L-8CAM-1-BG-3-G

ET1928L-8CAM-1-GY-3-G

ET1928L-8CEM-1-ROGG-3-G

ET1928L-8CJA-1-BG-3-G

ET1928L-8CJA-1-GY-3-G

ET1928L-8CJM-1-BG-3-G

ET1928L-8CJM-1-BG-NKD-G

ET1928L-8CJM-1-GY-3-G

ET1928L-8CJN-1-BG-NKD-G

ET1928L-8CWM

ET1928L-8CWM-1-BG-3-G

ET1928L-8CWM-1-GY-3-G

ET1928L-8CWM-1-RDAT-3-G

ET1928L-8CWM-1-RMHJ-G

ET1928L-8CWM-1-ROGH-3-G

ET1928L-8CWM-1-ROGH2-3-G

ET1928L-8CWM-1-ROGH3-3-G

ET1928L-8CWM-1-RSTU-G

ET1928L-AUAM-1-BG-3-G

ET1928L-AUAM-1-GY-3-G

ET1928L-AUWM

ET1928L-AUWM-1-BG-3-G

ET1928L-AUWM-1-GY-3-G

(以下空白)

## 1 CERTIFICATION

**PRODUCT:** 19" LCD Touch monitor

**BRAND NAME:** TE Connectivity, Elo, TPS, TYCO

**MODEL NO.:** ET1928LXXXXXXXXXXXXXXXXXXXX

(X= 0-9, A-Z, hyphen or blank)

**TEST ITEM:** ENGINEERING SAMPLE

**APPLICANT:** Touch Panel Systems K.K.

**TESTED:** Mar. 13 ~ 15, 2012

**STANDARDS:** V-3/2011.04, TECHNICAL REQUIREMENTS, Class B

V-4/2010.04, SUPPLEMENTARY TEST CONDITIONS

FOR EQUIPMENT UNDER TEST

The above equipment (Model No.: ET1928L-8CJM-1-BG-NKD-G) has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

**PREPARED BY :** Albee Chu, **DATE:** Mar. 26, 2012  
( Albee Chu / Specialist )

**APPROVED BY :** Kenny Meng, **DATE:** Mar. 26, 2012  
( Kenny Meng / Assistant Manager )



## 2 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

| Standard             | Test Type                     | Result | Remarks   |
|----------------------|-------------------------------|--------|---|
| V-3/2011.04, Class B | Conducted Test                | PASS   | Meets Class B Limit<br>Minimum passing margin is -14.14 dB at 1.14063 MHz |
|                      | Conducted Test (telecom port) | N/A    | Not Applicable  |
|                      | Radiated Test (30MHz ~ 2GHz)  | PASS   | Meets Class B Limit<br>Minimum passing margin is -3.95 dB at 131.34 MHz   |

**Note:** The EUT highest frequency generated **135MHz** and therefore the test frequency range was performed up to 2GHz for radiated emission test.

### 2.1 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

| MEASUREMENT         | FREQUENCY      | UNCERTAINTY | VCCI Site Registration No. |
|---------------------|----------------|-------------|----------------------------|
| Conducted emissions | 150kHz ~ 30MHz | 3.43 dB     | C-1852                     |
| Radiated emissions  | 30MHz ~ 1GHz   | 3.24 dB     | R-1248                     |
|                     | Above 1GHz     | 3.36 dB     | G-257                      |