USER MANUAL

Elo Touch Solutions
Fingerprint Reader

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Contents

Section 1: Introduction **4**
Product Description 4
Precautions 4
Features **4**
Section 2: Unpacking 5
Unpacking the fingerprint reader **5**
Section 3: Installation 6
Attaching the Fingerprint Reader 6
Section 4: Operational **9**
Proper Finger Placement 9
Fingerprint Demo 9
Section 5: Technical Support **10**
Technical Assistance 10
Care and Handling 10

Section 6: Safety and Regulatory Information **11**
Electrical Safety Information 11
Emissions and Immunity Information 11
Agency Certifications TBD 13
Waste Electrical & Electronic Equipment Directive (WEEE) 13
Power Specifications 15

Section 7: Warranty Information **16**

Section 1: Introduction

Product Description

The Biometric Fingerprint reader kit is an optional attachment for Elo monitors, Android All-in-one computers, and Windows All-in-one computers.

The Biometric Fingerprint Reader is a USB-powered device that optically scans the fingerprint when the user touches the glowing window. Optical technology gives the highest quality fingerprint scans and reliability.

Precautions

Follow all warnings, precautions and maintenance as recommended in this user manual to maximize the life of your unit and prevent risks to user safety. See Section 6 for more information on safety.

This manual contains information that is important for the proper setup of the scanner. Before setting up and powering on your new scanner, read through this manual, especially the Installation, configuration, and Operation chapters.

Features

Fingerprint Size	12.8 x 18.0 mm (256 x 360 pixels)
Resolution	508 dpi, 8-bit grayscale
Interface	Micro USB

Section 2: Unpacking

Unpacking the fingerprint reader

Verify that the box contains:

- Fingerprint Reader
- 2 Mounting Screws
- 2 Mylar Screw Cover
- QIG

Remove all protective material from the device.

Inspect the device for damage.

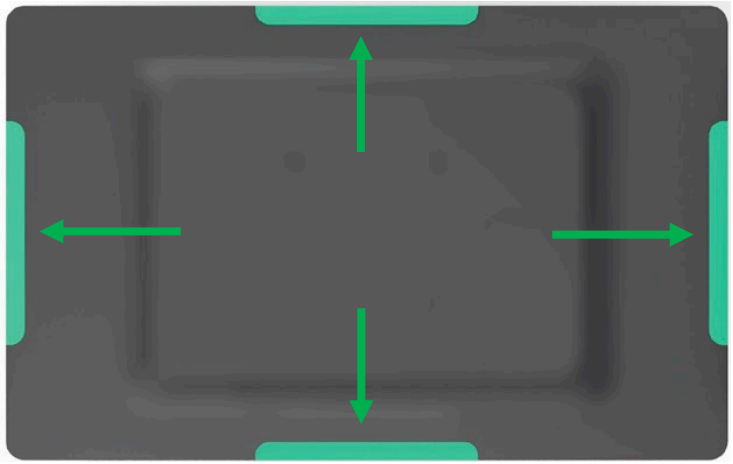
Report immediately if computer is damage and with missing items as listed above.

Section 3: Installation

Attaching the Fingerprint Reader

Note: The images below may appear different from the actual fingerprint reader.

Step 1: Select the location to mount the fingerprint reader. Some systems have more than one mounting option.



Step 2: Remove the selected peripheral cover from the touch monitor or computer.

Step 3: Gently insert the fingerprint reader into the peripheral bay making sure the connector mates properly.

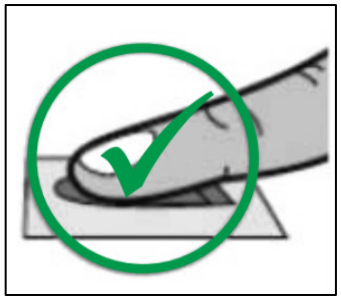
Step 4: Install the 2 flat head screws included with the kit.

Step 5: Cover the head screws with the adhesive mylar covers included from the kit.

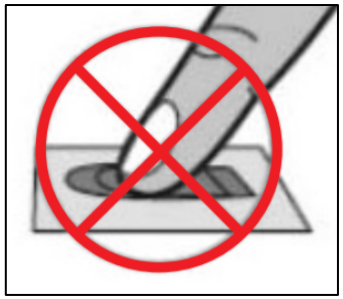
Section 4: Operational

Proper Finger Placement

The user's finger should be placed flat and completely cover the fingerprint sensor. The user's finger should be placed flat (and not turned on its side). The finger also needs to be placed on the center of sensor.



Correct Method



Wrong Method

Good Image

Poor Image

Fingerprint Demo

To test the functionality of the fingerprint, download CROSSMATCH SDK from the following link and accept the terms of the agreement for the SDK.

http://devportal.digitalpersona.com/index.php

Section 5: Technical Support

Technical Assistance

Technical Specifications

visit **www.elotouch.com/products**
for technical specifications for this device

Support

visit **www.elotouch.com/support** for technical support

Refer to last page for worldwide technical support phone numbers.

Care and Handling

The following tips will help maintain optimal performance of your Elo Products

- To prepare for cleaning the touchscreen, power down the device (if possible), or ensure your on-screen software can tolerate false touches while you clean.
- Do not get liquids inside the unit. Do not spray the Elo product directly. Instead, use wet wipes, a sprayed cloth or a dampened cloth with the excess moisture squeezed off.
- Select only non-abrasive cleaning wipes or cloths to avoid scratching.
- Avoid highly concentrated alcohol (> 70%), non-diluted bleach or ammonia solutions, as these may cause discoloration.
- Wipe the surfaces with the appropriate wipes or cloths and approved cleaning products and allow them to dry.
- For additional cleaning methods, recommended cleaning and disinfectant solutions, please visit https://www.elotouch.com/support/technical-support/cleaning

Section 6: Safety and Regulatory Information

Electrical Safety Information

Compliance is required with respect to the voltage, frequency, and current requirements indicated on the manufacturer's label. Connection to a different power source than those specified herein will likely result in improper operation, damage to the equipment or pose a fire hazard if the limitations are not followed.

There are no operator serviceable parts inside this equipment. There are hazardous voltages generated by this equipment which constitute a safety hazard. Service should be provided only by a qualified service technician.

Contact a qualified electrician or the manufacturer if there are questions about the installation prior to connecting the equipment to mains power.

Emissions and Immunity Information

Notice to Users in the United States: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

Notice to Users in Canada: This equipment complies with the Class A limits for radio noise emissions from digital apparatus as established by the Radio Interference Regulations of Industrial Canada.

Notice to Users in the European Union: Use only the provided power cords and interconnecting cabling provided with the equipment. Substitution of provided cords and cabling may compromise electrical safety or CE Mark Certification for emissions or immunity as required by the following standards:

This Information Technology Equipment (ITE) is required to have a CE Mark on the Manufacturer's label which means that the equipment has been tested to the following Directives

and Standards: This equipment has been tested to the requirements for the CE Mark as required by EMC Directive 2014/30/ EU as indicated in European Standard EN 55032 Class A and the Low Voltage Directive 2014/35/EU as indicated in European Standard EN 60950-1.

General Information to all Users: This equipment generates, uses and can radiate radio frequency energy. If not installed and used according to this manual the equipment may cause interference with radio and television communications. There is, however, no guarantee that interference will not occur in any particular installation due to site-specific factors.

1. In order to meet emission and immunity requirements, the user must observe the following:
   a. Use only the provided I/O cables to connect this digital device with any computer.
   b. To ensure compliance, use only the provided manufacturer's approved line cord.
   c. The user is cautioned that changes or modifications to the equipment not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

2. If this equipment appears to cause interference with radio or television reception, or any other device:
   a. Verify as an emission source by turning the equipment off and on. If you determine that this equipment is causing the interference, try to correct the interference by using one or more of the following measures:
      i. Move the digital device away from the affected receiver.
      ii. Reposition (turn) the digital device with respect to the affected receiver.
      iii. Reorient the affected receiver's antenna.
      iv. Plug the digital device into a different AC outlet so the digital device and the receiver are on different branch circuits.
      v. Disconnect and remove any I/O cables that the digital device does not use. (Unterminated I/O cables are a potential source of high RF emission levels.)
      vi. Plug the digital device into only a grounded outlet receptacle. Do not use AC adapter plugs. (Removing or cutting the line cord ground may increase RF emission levels and may also present a lethal shock hazard to the user.)

If you need additional help, consult your dealer, manufacturer, or an experienced radio or television technician.

Agency Certifications

The following certifications and marks have been issued or declared for this peripheral:

- CE

Waste Electrical & Electronic Equipment Directive (WEEE)

This product should not be disposed of with household waste. It should be deposited at a facility that enables recovery and recycling.

Elo has put in place recycling arrangements in certain parts of the world. For information on how you can access these arrangements, please visit www.elotouch.com/e-waste-recycling-program/.

中国RoHS (China RoHS)

根据中国法律《电器电子产品有害物质限制使用管理办法》，以下部分列出了产品中可能包含的有害物质的名称和含量。

中国电子电气产品环境信息

触控一体机	有害物质					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr (VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
电缆组件	X	O	O	O	O	O
玻璃外罩	X	O	O	O	O	O
液晶面板	X	O	O	O	O	O
金属框架	X	O	O	O	O	O
塑胶盖	O	O	O	O	O	O
印制线路板	X	O	O	O	O	O

本表格依据 SJ/T 11364 的规定编制.

O: 表示该有害物质在该部件所有均质材料中的含量均在 GB/T 26572 规定的限量要求以下.

X: 表示该有害物质至少在该部件的某一均质材料中的含量超出 GB/T 26572 规定的限量要求.

标志说明

根据 SJ/T11364 的要求, 电子信息产品标有以下污染控制标识。 此产品在10年内不会对环境产生影响。

Power Specifications

Electrical Ratings	
Input	5VDC

Operating Conditions	
Temperature	10°C - 40°C
Humidity	20% to 80% (non-condensing)

Storage Conditions	
Temperature	0°C - 50°C
Humidity	10% to 90% (non-condensing)

Section 7: Warranty Information

For warranty information, go to http://support.elotouch.com/warranty/

www.elotouch.com

Visit our website for the latest

- Product Information
- Specifications
- Upcoming Events
- Press Releases
- Software Drivers

To find out more about our extensive range of Elo touch solutions, go to **www.elotouch.com**, or call the office nearest you.

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