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TACTIVO™ mini for Android
User Reference Guide

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1. Introduction

Tactivo™ mini smart card and fingerprint reader makes strong authentication easy and convenient using a smart card, fingerprint, or both.

For more information on Tactivo mini and available apps, visit www.idApps.com.

2. General Information

Tactivo mini for Android should only be used with Android devices with a micro USB port, but the smart card reader functionality can also be used on Windows (XP or later) and OS X (Mountain Lion or later) desktop computers by using the micro USB port and the provided micro USB to USB cable. OS X support may require additional configuration. Tactivo mini adds smart card and fingerprint functionality to an Android device and should not be used for any other purpose.

Do not allow Tactivo mini in contact with water or other fluids. If this happens, immediately remove the Tactivo mini from the Android device and let it dry thoroughly. Do not dry Tactivo mini using any external sources, such as hair dryers and microwave ovens.

Tactivo mini is designed to work in the temperature range 32-95°F (0-35°C) and can be stored in the range -4-113°F (-20-45°C)

Handling of Tactivo mini is the user's responsibility and any action that can damage the product is the user's own responsibility. Do not paint, drop or disassemble Tactivo mini, and do not put it in places or in devices where it can be damaged such as in a clothes dryer.

Tactivo mini may contain small parts which may present a choking hazard for small children. Keep such parts away from small children.

3. System Requirements

Usage of Tactivo mini requires an Android device running 4.0 or later that has a micro USB port. Using the smart card reader functionality of the Tactivo mini on a desktop computer requires Windows XP or later or OS X Mountain Lion or later.
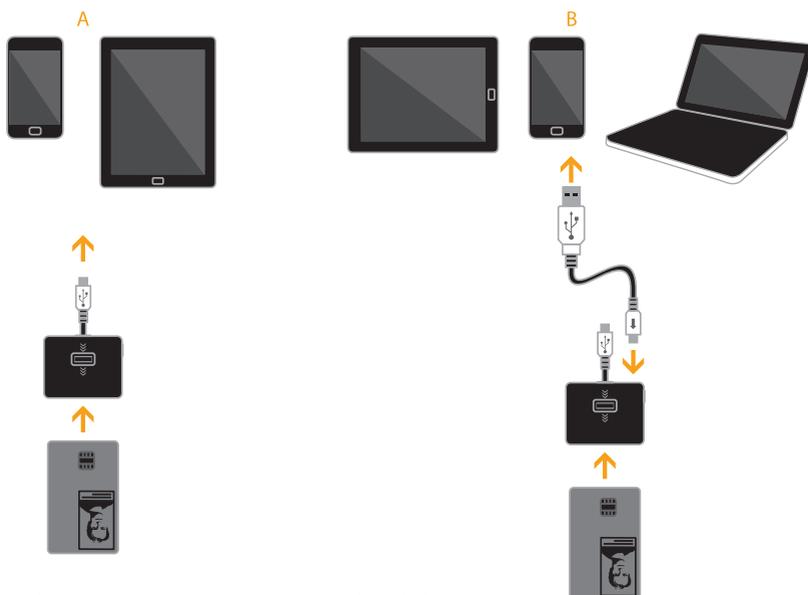
4. Card Reader

The card reader in Tactivo mini supports ISO 7816-4 compatible smart cards including U.S. credentials PIV, PIV-I, TWIC, and CAC. Do not use the card reader for other cards or for storage of other things such as business cards.

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5. Installation

Always make sure that the built-in USB cable of the Tactivo mini is properly aligned with the corresponding connector of the Android device before connecting. Bending while connecting or disconnecting might damage Tactivo mini and the built-in USB cable. When removing the Tactivo mini from the Android device, make sure to pull the thick plastic surrounding the micro USB connector. Removing the Tactivo mini by pulling the housing of the unit may damage the Tactivo mini or the micro USB port on the Android device. Never force a connector into a port, as this may damage the product.

1. Plug in your Tactivo mini either directly into your device with the built-in USB cable (A) or by using a separate standard USB cable (B). The Tactivo mini can be used as a standard smart card reader for Windows and OS X. Connect the Tactivo mini to the Windows or OS X computer using the provided micro-USB cable.

A   B

2. If you have a smart card, slide it in.

6. Maintenance

- Protect Tactivo mini from any kind of physical damage.

- Ensure that you are electrostatically discharged before putting your finger on the sensor. High electrostatic discharges might damage the fingerprint sensor.

- Keep the sensor surface clean or there is an increased risk that the fingerprint can't be successfully matched.

- If necessary, clean the sensor surface with a clean cotton cloth. You can dampen the cloth slightly with a cleaner.

- Do not use paper tissues for cleaning purposes as they may scratch the surface.

- Do not spray cleaner directly onto the device.

- Do not use chlorine-based cleaners, non-chlorine bleach, or chlorine-based bathroom or mildew cleaners.

- Do not use any solvents, such as acetone, paint thinners, turpentine, etc.

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7.1 Correct Finger Placement

Correct and consistent finger placement is crucial for good performance.
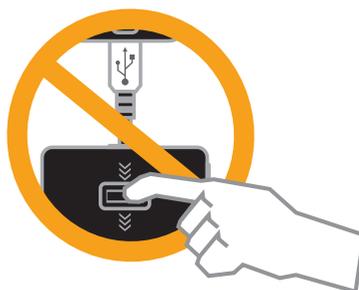
1. Fingerprint sensor

2. Make sure to capture this area on your finger

3. Swipe your finger flat on the sensor in a firm downward movement

4. Do not rotate your finger and make sure it is not misaligned

5. Do not lift finger when swiping and do not use only the fingertip

7.2 Enhance Fingerprint Image Quality

If your finger is very dry:

- Try to press more firmly when swiping.
- Breathe on your finger.

If your finger is very damp:

- Try to press less firmly when swiping.
- Wipe your finger dry.

More tips

- See the "Maintenance" section to learn how to keep the sensor surface clean.
- If your fingerprint is still not recognized, please consider re-enrollment to get a better reference image.

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8. Apps for Tactivo mini

The use of apps for Tactivo is entirely at the user's sole risk. Precise Biometrics has no liability whatsoever and disclaims all responsibility for the usage of apps for Tactivo.

9. Elecromagnetic Compatibility

Electromagnetic compatibility (EMC) is the ability of electronic equipment to function properly together in the electronic environment.

CE Notice (Europe)
Tactivo meets the following technical standards:
• EN 301 489-1:2011
• EN 55022:2006 – A1:2007
• EN 61000-4-2:2008
• EN 61000-4-2:2008

FCC Information (USA)
Tactivo mini for Android (P/N SAA 133 1003) complies with Part 15 (Class B) 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.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the 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. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

● Reorient or relocate the receiving antenna.

● Increase the separation between the equipment and receiver.

● Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

● Consult the dealer or an experienced radio/TV technician for help.

CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

CONTACT: Precise Biometrics Inc.
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10. Environment

● RoHS compliant

● WEEE compliant

● The Tactivo mini should be recycled as an electrical waste