Quickstart Guide

AKEY.Card

AUTHENTREND

Contents

0180008C-12345678

Welcome
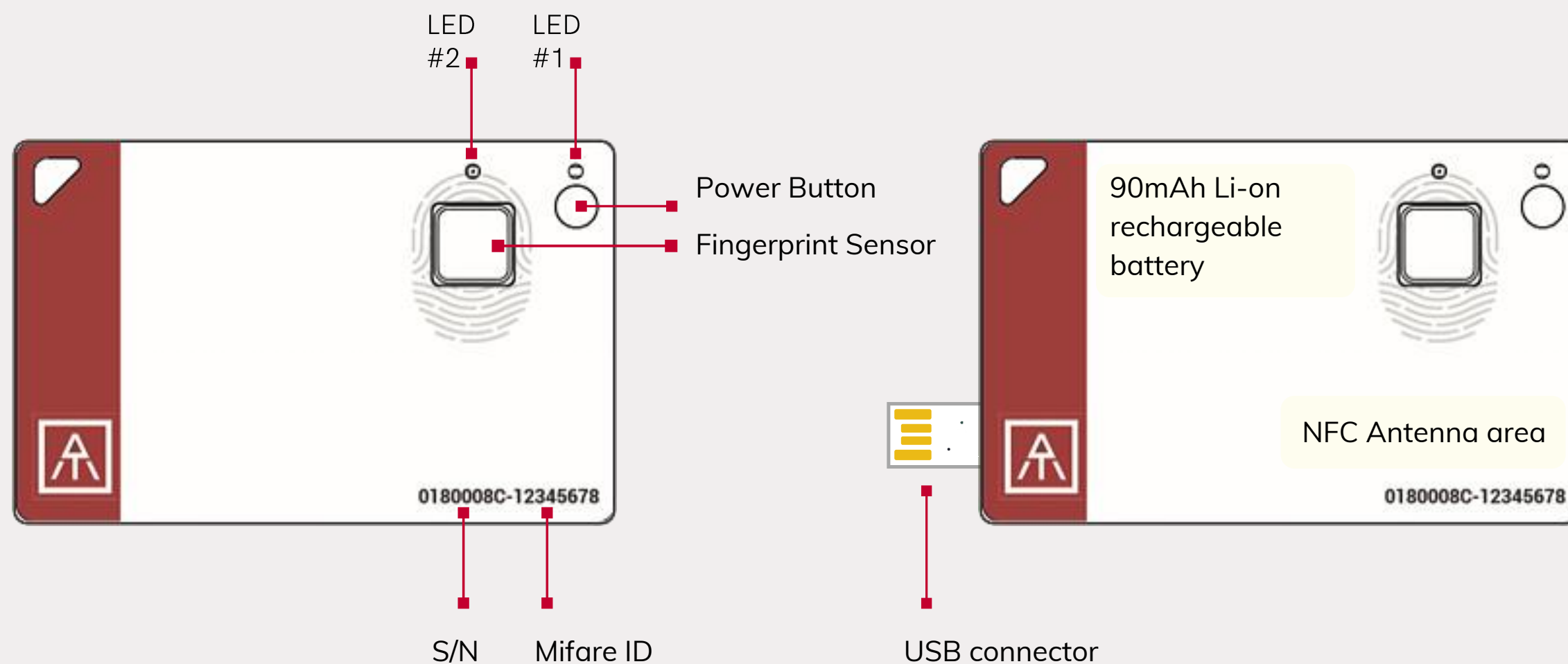
- **One Card for All**– With a USB Type-A port, NFC, BLE and a fingerprint sensor built-in, you can securely do access control, login, and authentication all in one card.

- **Standalone Enrollment** – Users can easily enroll fingerprints directly to the Security Key and do not require any other proprietary app or driver.

- **Best Fingerprint Experience** – Integrated with the Egis fingerprint sensor for increased accuracy, ATKey.Card also boast having the fastest fingerprint recognition speeds on the market and function with any HID device.

- **Highly Secure Design** – It is FIDO2-certified and lets users store up to 8 encrypted fingerprint templates inside a secure embedded system.
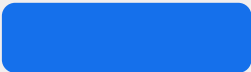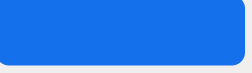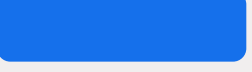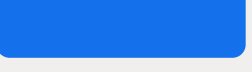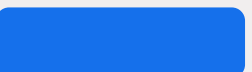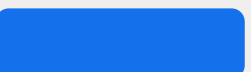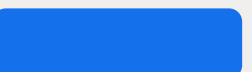
ATKey.Card Overview

USB · Bluetooth · NFC

LED #2 · LED #1

Power Button

Fingerprint Sensor

90mAh Li-on rechargeable battery

NFC Antenna area

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S/N · Mifare ID

USB connector

ATKEY.Card

Smart Badge type security card can communicate with the host through USB/BLE/NFC interfaces, including FIDO2, and FIDO U2F.

What the LEDs mean

	LED #2	LED #1	
Blue LED ON	▬▬ (blue)	● ● ⚡	Blue LED flashes	Need to verify
Blue LED flashes	● ● ⚡	● ● ⚡	Blue LED flashes	Verify to turn NFC on / BLE broadcasting
Green LED ON	▬▬ (green)	▬▬ (blue)	Blue LED ON	NFC is ON for about 15 sec.
Green LED flashes once	● (green)	▬▬ (blue)	Blue LED ON	Fingerprint verification success
Red LED flashes once	● (red)	▬▬ (blue)	Blue LED ON	Fingerprint verification fail
Cyan LED flashes	● ● ⚡ (cyan)	▬▬ (blue)	Blue LED ON	Need to touch / BLE pairing
Blue LED flashes	● ● ⚡ (blue)	▬▬ (blue)	Blue LED ON	BLE broadcasting (No fingerprints enrolled)
Blue LED ON	▬▬ (blue)	▬▬ (blue)	Blue LED ON	BLE connected
Green LED flashes	● ● ⚡ (green)	▬▬ (blue)	Blue LED ON	Verify fingerprint to start 'Standalone Enrollment' (If there is any registered fingerprint)
White LED flashes	○ ○ ○ (white)	● ● ⚡ (blue)	Blue LED ON	Touch the fingerprint sensor to confirm the BLE pairing / Standalone enrollment (Blue LED flashes from slow to fast)
Red LED flashes	● ● ⚡ (red)			⚠ Low battery

LED #2   LED #1

Multi-interfaces and supported OS

	BLE	USB	NFC
Enroll fingerprint	✓	✓	
Azure AD logon	✓	✓	✓
Windows 10 build 1903 and above	✓	✓	✓
Android	✓	✓	✓
iOS		✓	✓
Linux		✓	
Mac OS		✓	
Chrome OS	✓	✓	✓
NFC door locker			✓

*You can check the adoption status of each platform from the following links: (Updated from FIDO 2020.06)
https://fidoalliance.org/fido2/fido2-web-authentication-webauthn/

Set up your ATKey and enroll fingerprints first

There are serval available tools that can be used for set up security keys.
- Note: Only USB and BLE modes are allowed to be used for setup.

0180057F-F72A30AD

Key Setup
- Bluetooth Pairing

① Open Windows Settings
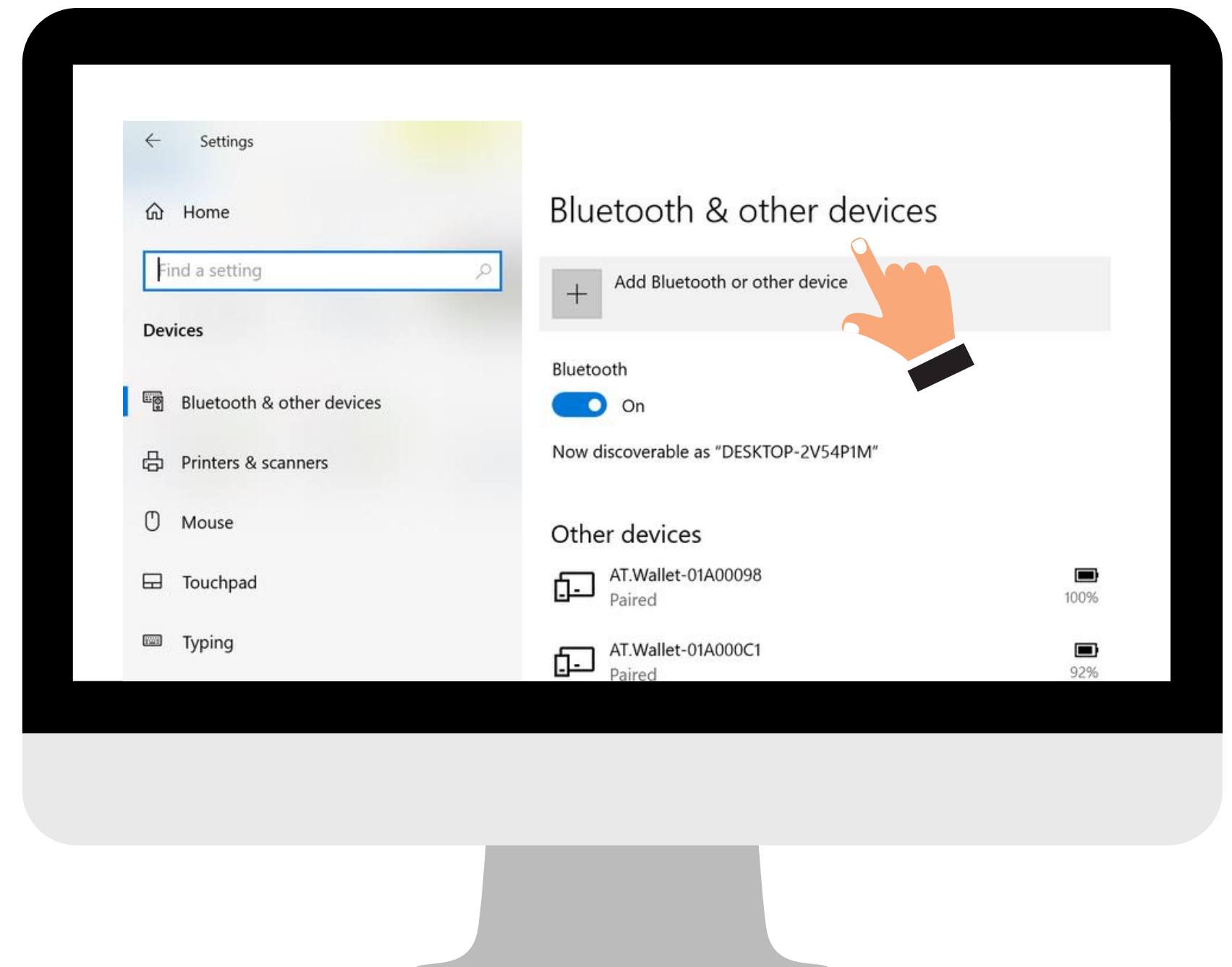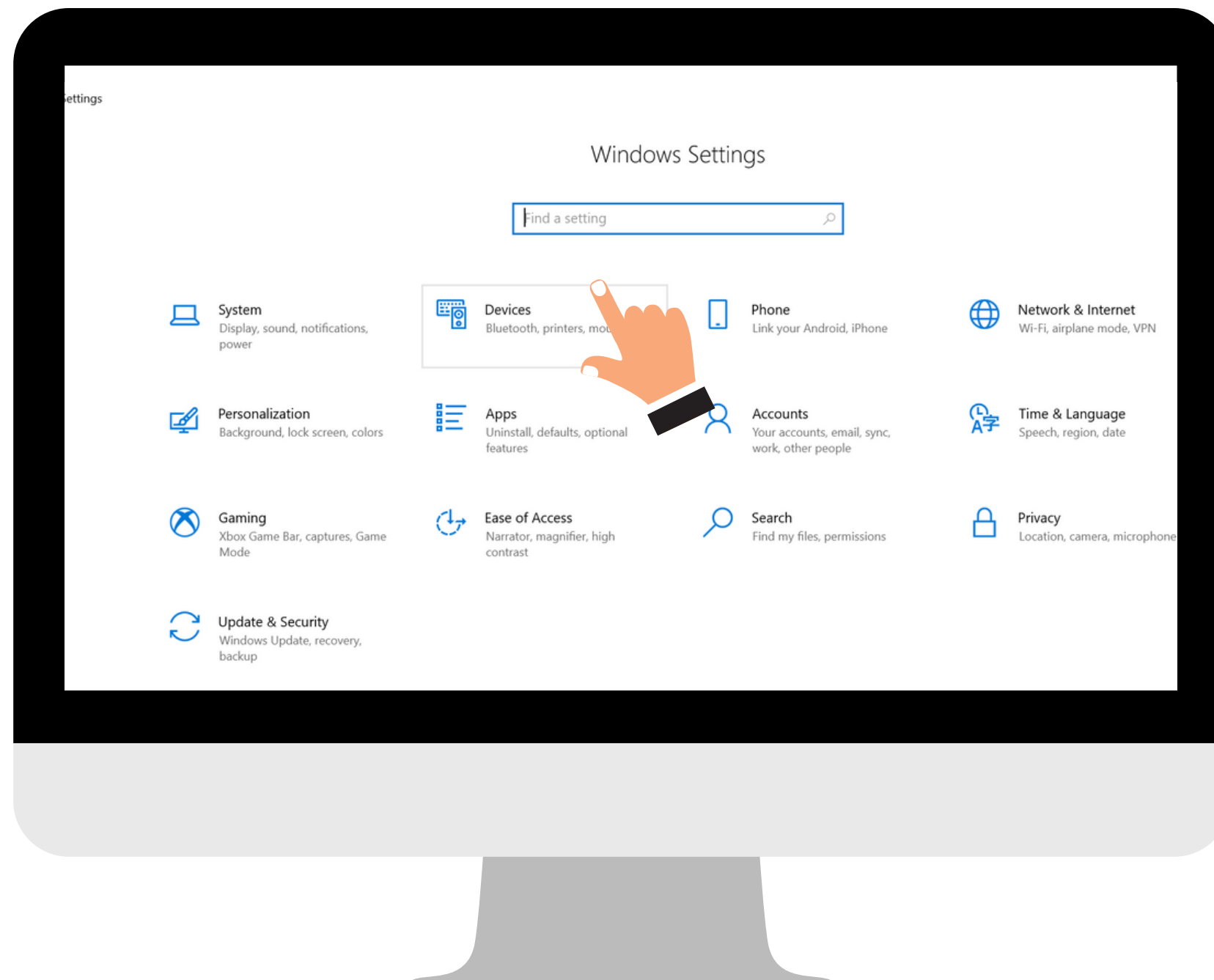
"Settings" > "Devices" > "Add Bluetooth or other device"

Availability: In Windows 1903 and above.

② Add a Device – Bluetooth pairing

- Power ON your ATKey.Card and press the power button **twice**.
- 🔵 🔵 ⚏ Cyan LED#2 flashes. Choose the "ATKey.Card-S/N" showed on the window.
- ⚪ ⚪ ⚪ White LED#2 flashes. Click "Connect" and touch the fingerprint sensor to confirm BLE pairing.
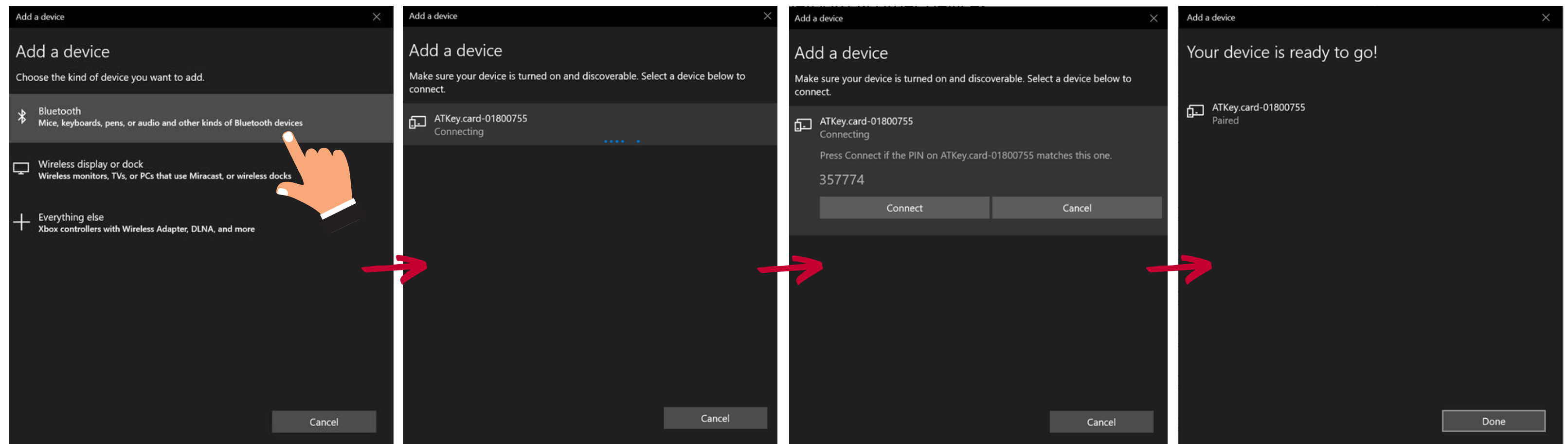
② Bluetooth Pairing

- BLE mode:
  Pairing your target device with ATKey.Card

Device *(Windows, ~~Mac,~~ Chromebook, ~~iOS,~~ Android)* or App is ready for pairing

- Power on ATKey.card
- **Double-click power button** to secure pairing mode (LED#2)

- Scan and find specific card – check the keycode to identify the card
- Select it to pair

- Touch fingerprint sensor to confirm the pairing (LED#2)

Key Setup ⊞

- Windows built-in Security Key

① Open Windows Settings
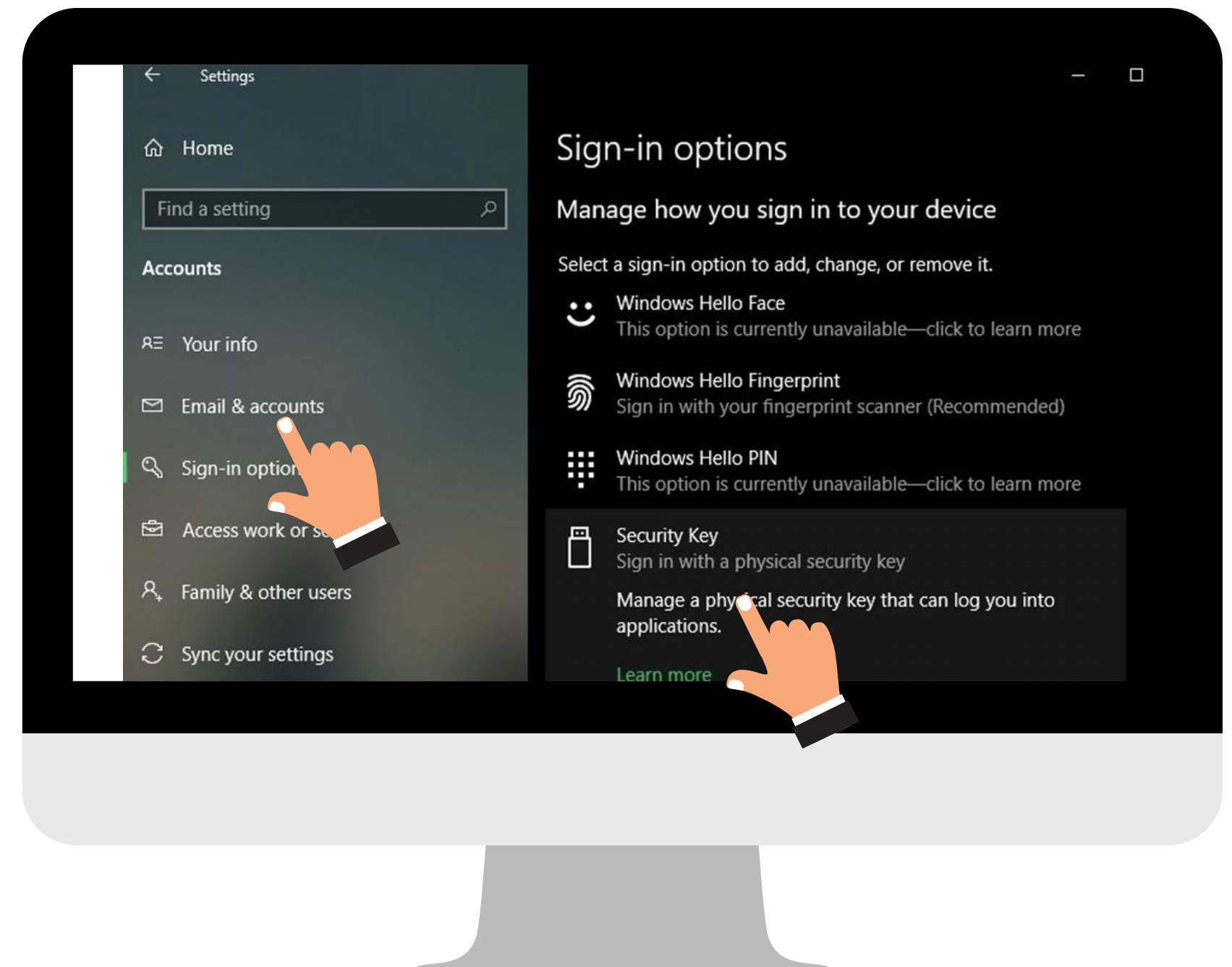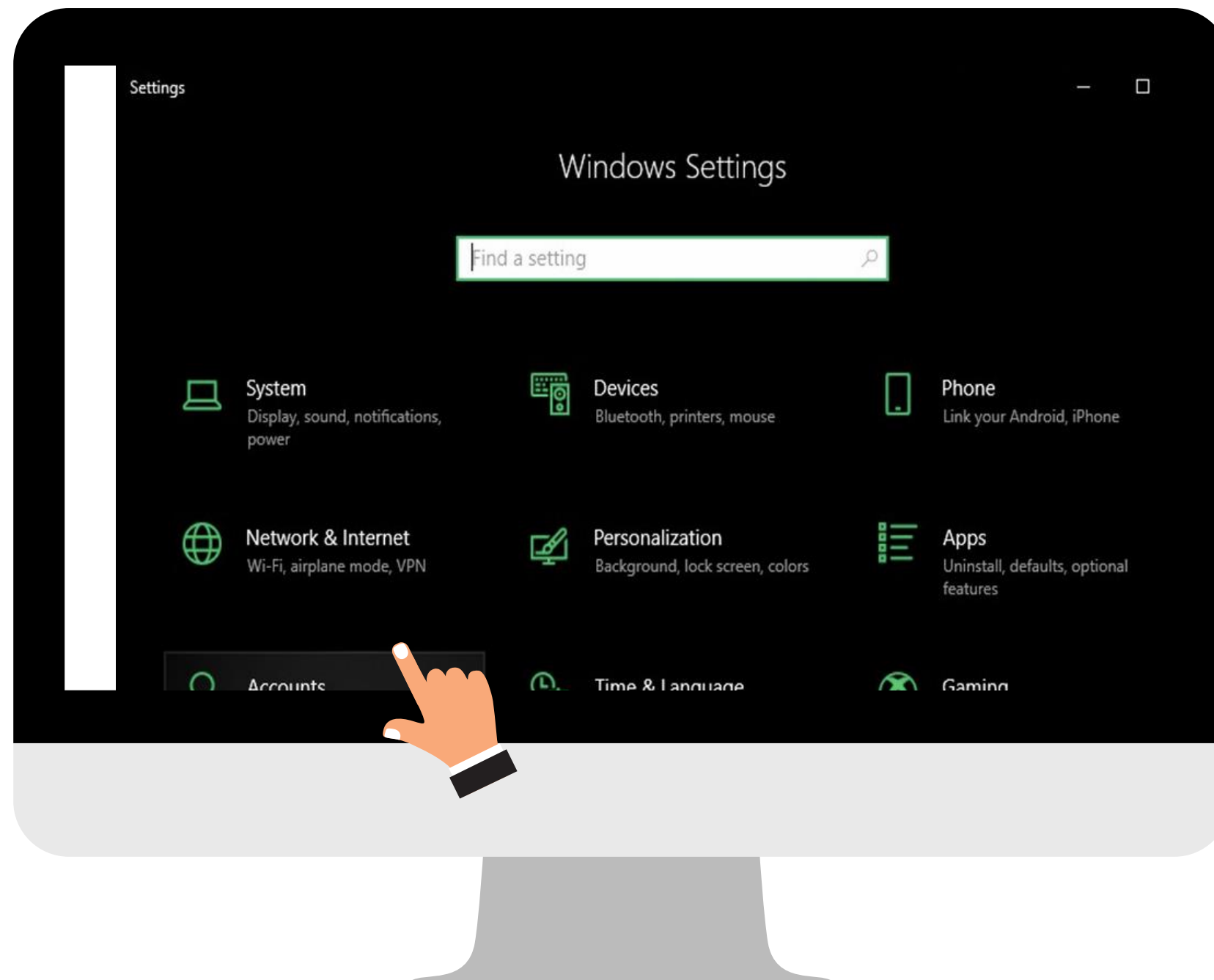
"Settings" > "Accounts" > "Sign-in options" > "Security Key"

Availability: In Windows 1903 and above.

② Set the PIN of ATKey

Add "Security key PIN" first, the PIN will write into ATKey.Card.
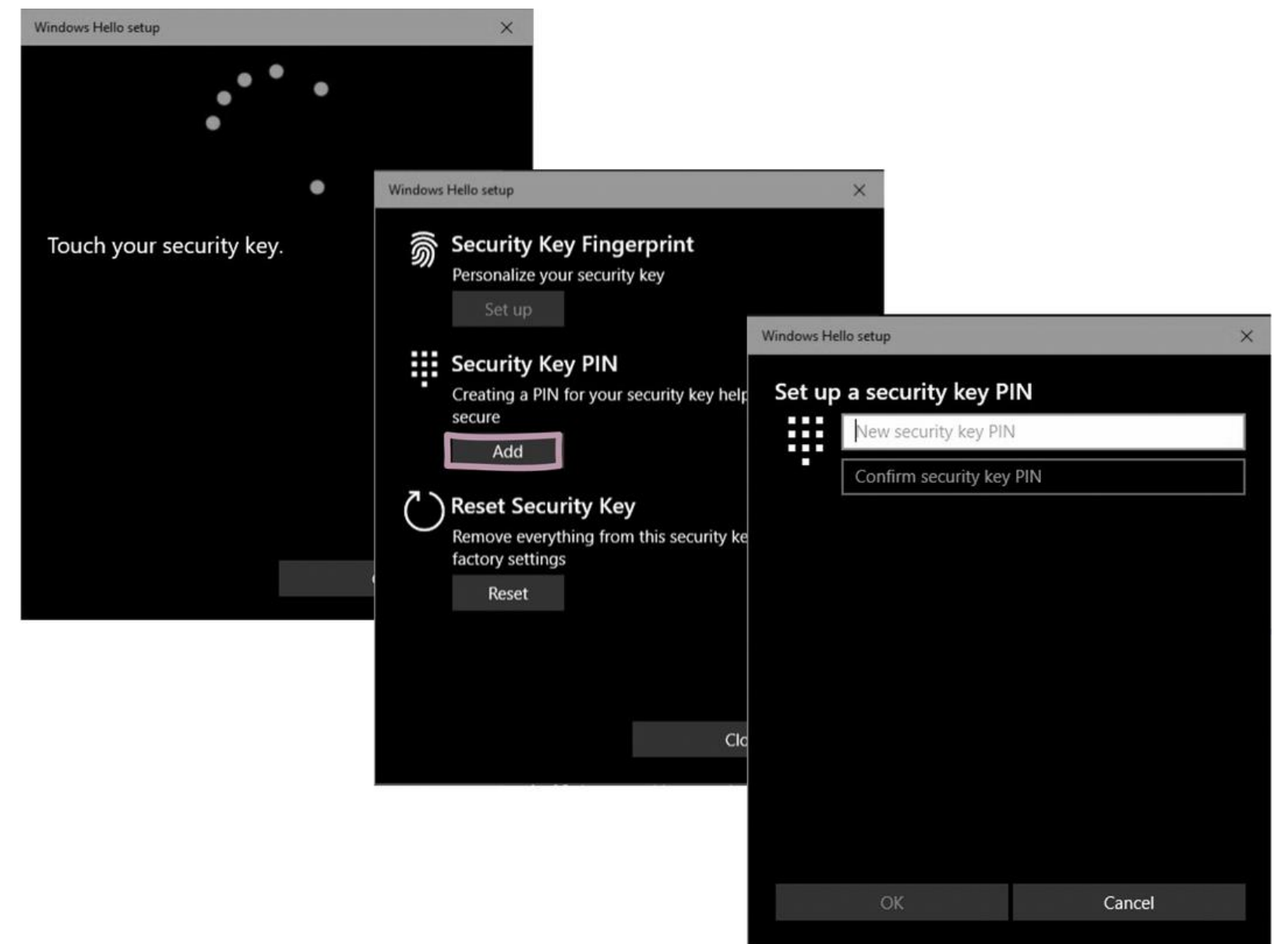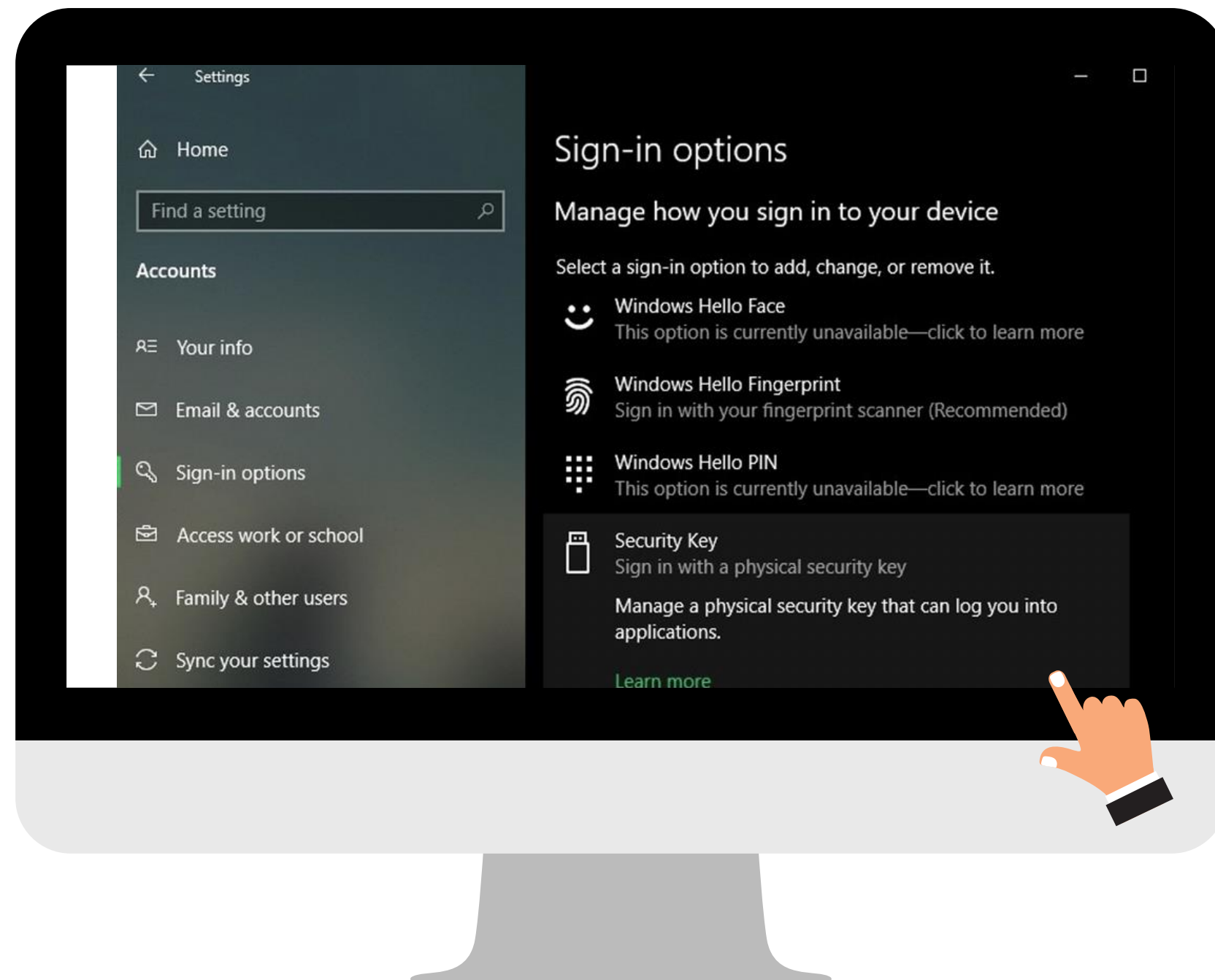
(3) Add Your Fingerprint

Set up "Security Key Fingerprint", type-in PIN code and
follow the hints to enroll fingerprint until "All Set!"
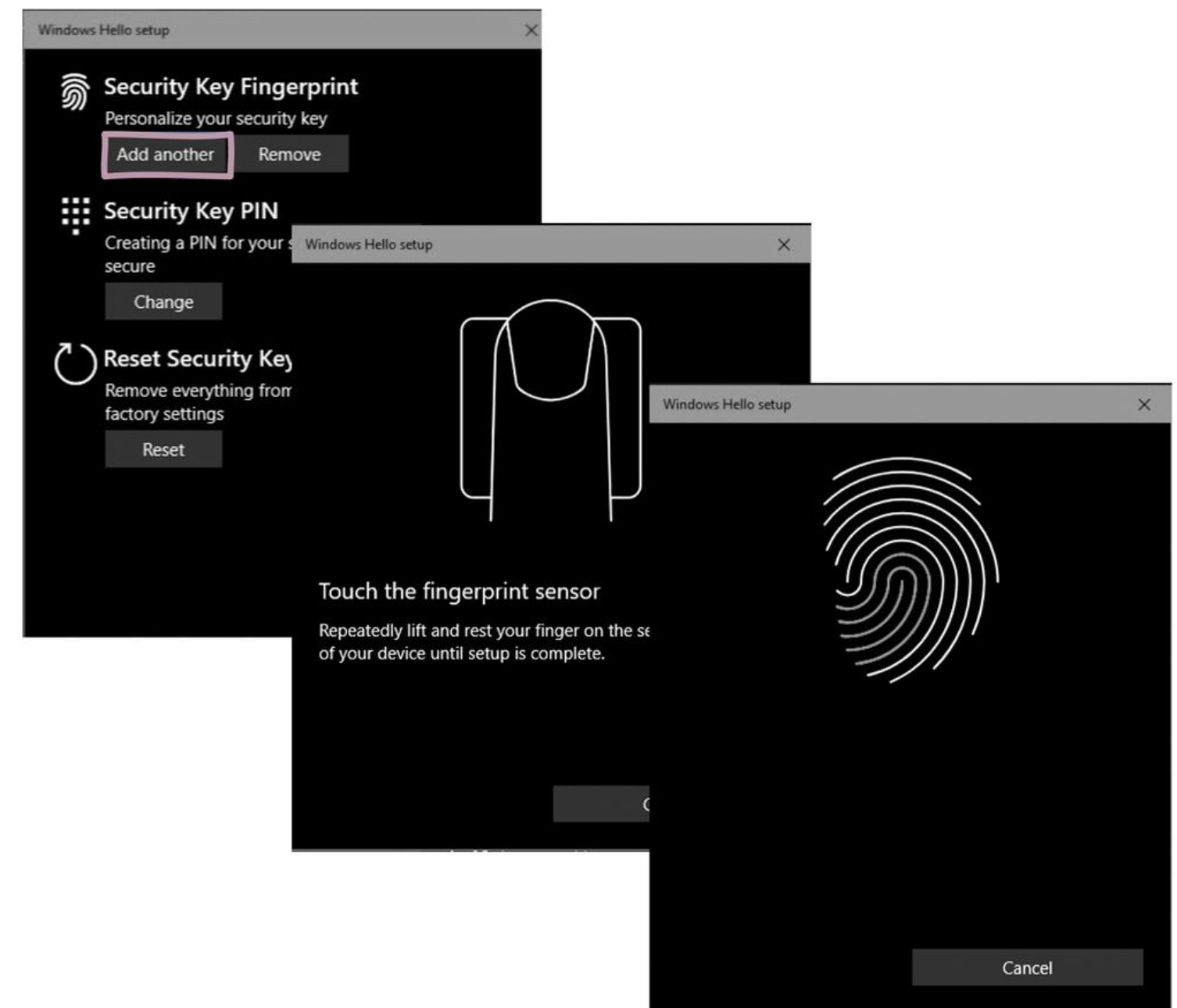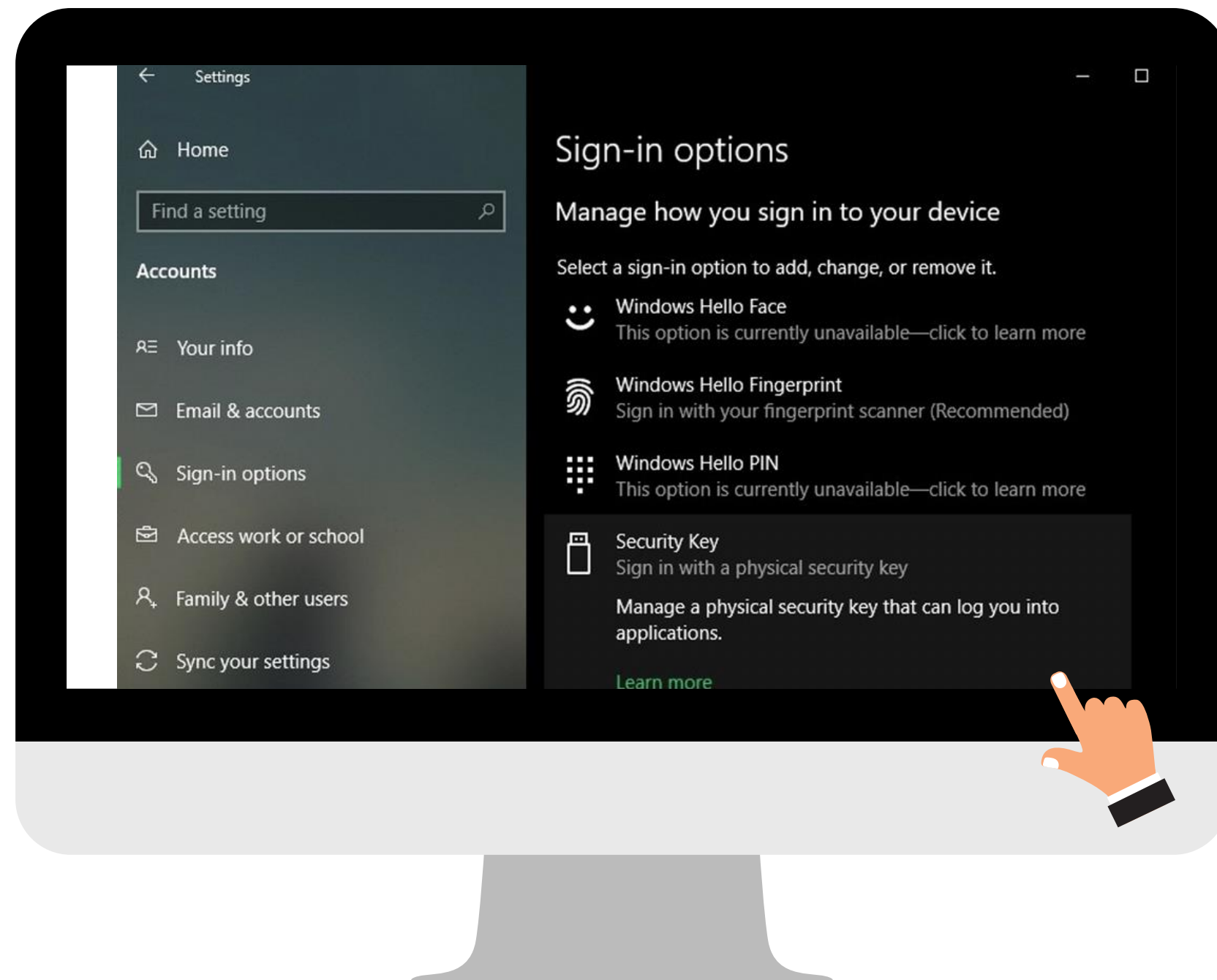
Key Setup

- Chrome built-in Security Key

① Open Chrome Settings USB

"Settings" > "Privacy and security" > "Manage security keys" > chrome://settings/securityKeys

Availability: In the latest Chrome browser in ChromeOS, macOS and Linux core system.
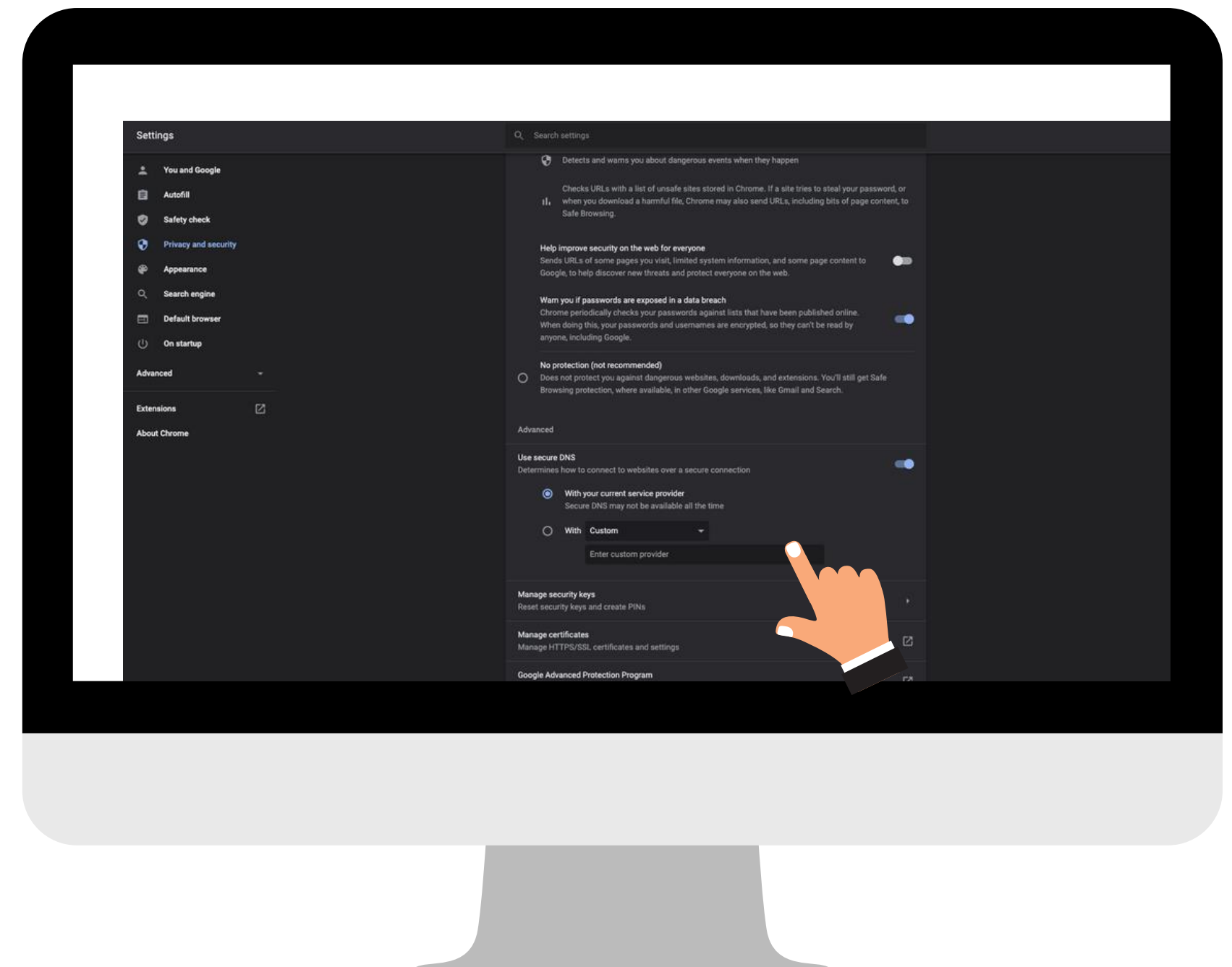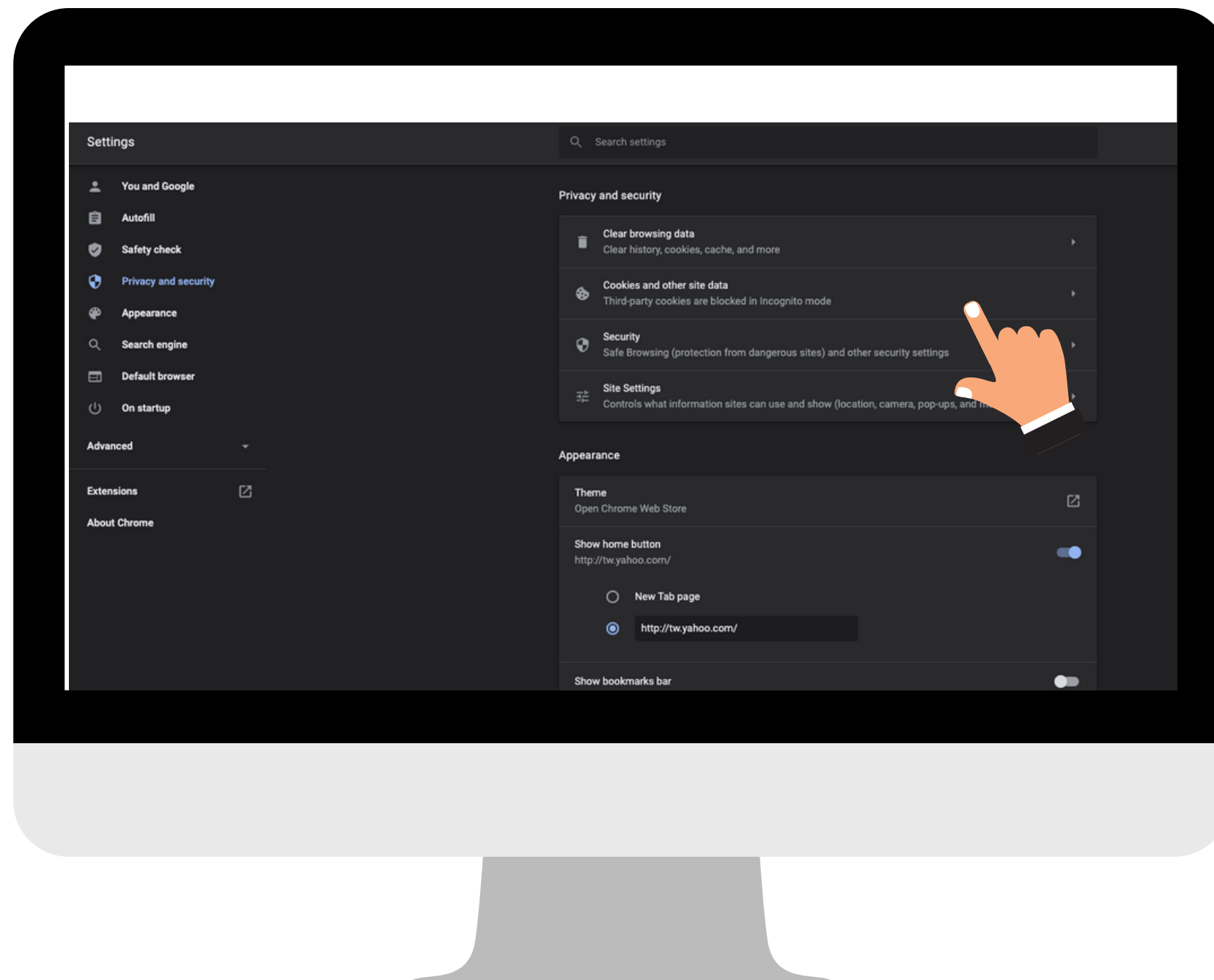
② Set The PIN and Fingerprints of ATKey

You can manage PIN, fingerprints, and credentials inside the key.
Create a PIN first and start to add your fingerprints.
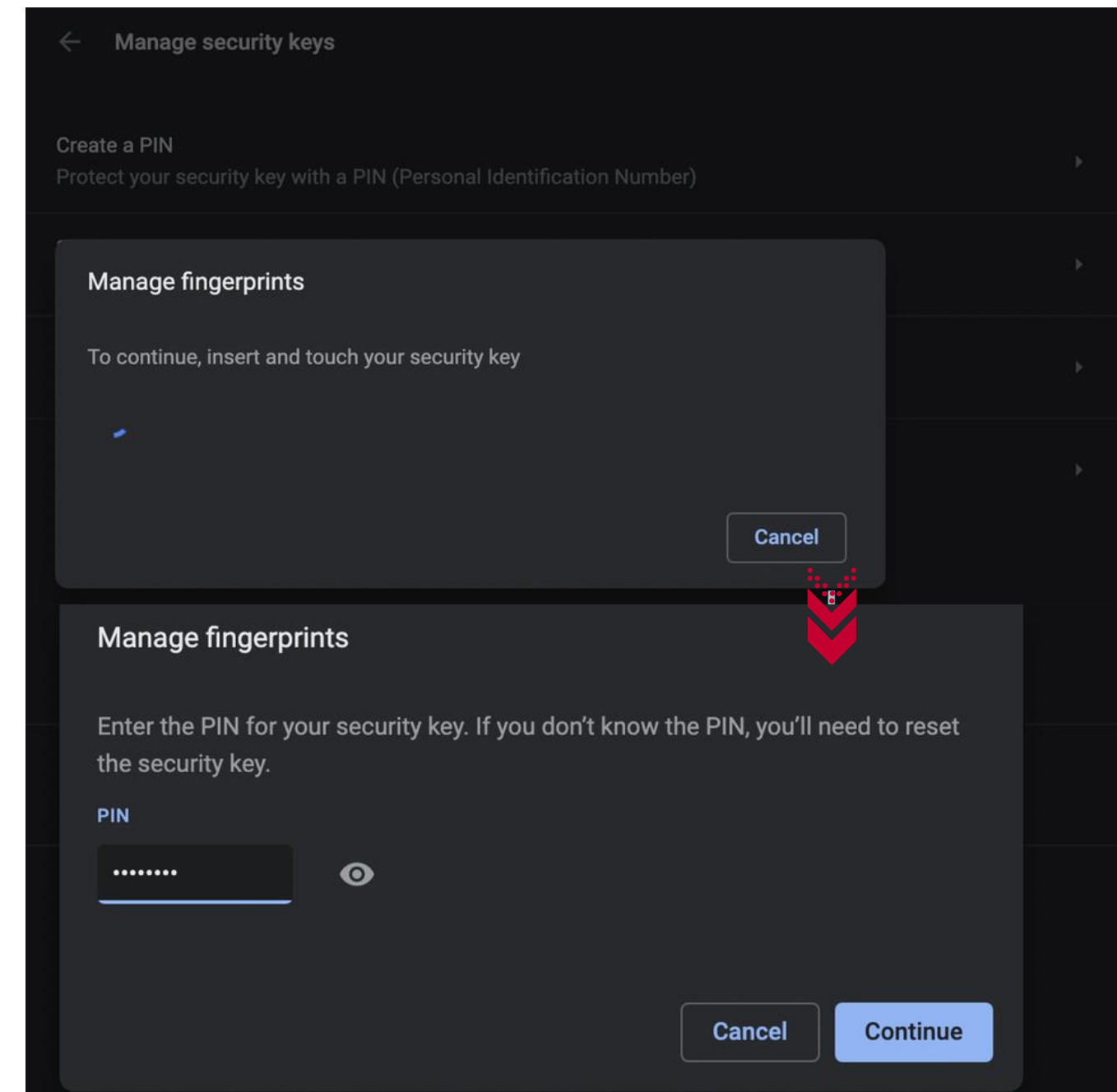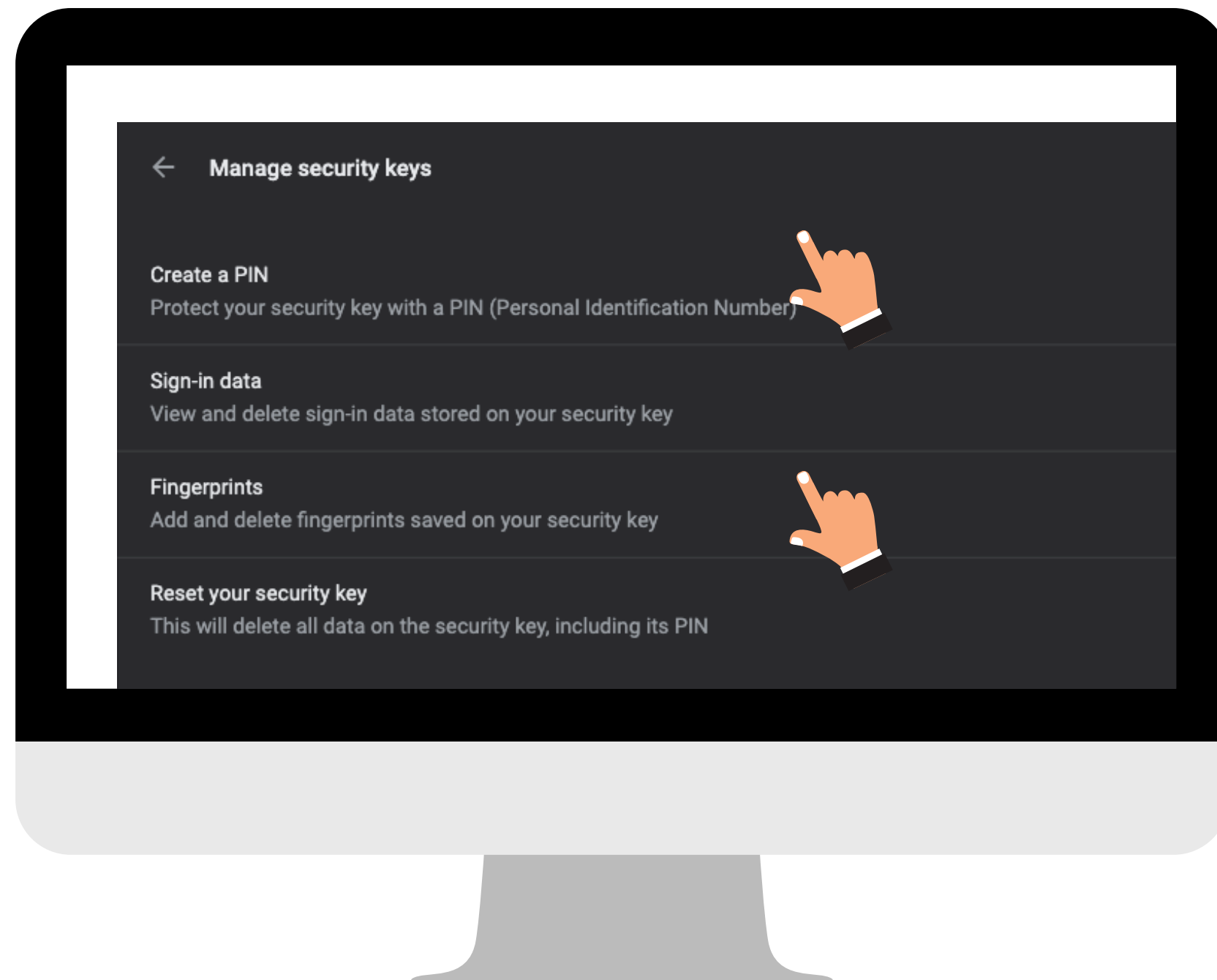
3 Add Your Fingerprint

After finish adding, you can assign the name of your enrolled fingerprint.

Key Setup
- Standalone Enrollment
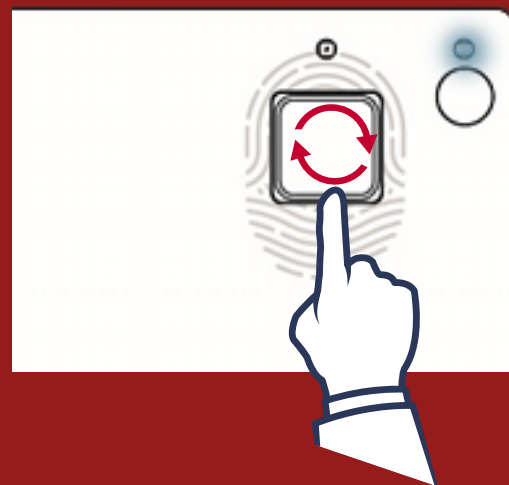
① Enroll Fingerprints through Standalone Enrollment

With no need for any device or application download.

- Please enroll a fingerprint at the same place If you have already set up a PIN using any previous method. You can enroll your fingerprint directly using this method only if you have not yet set up a PIN or you want to add more fingerprints.
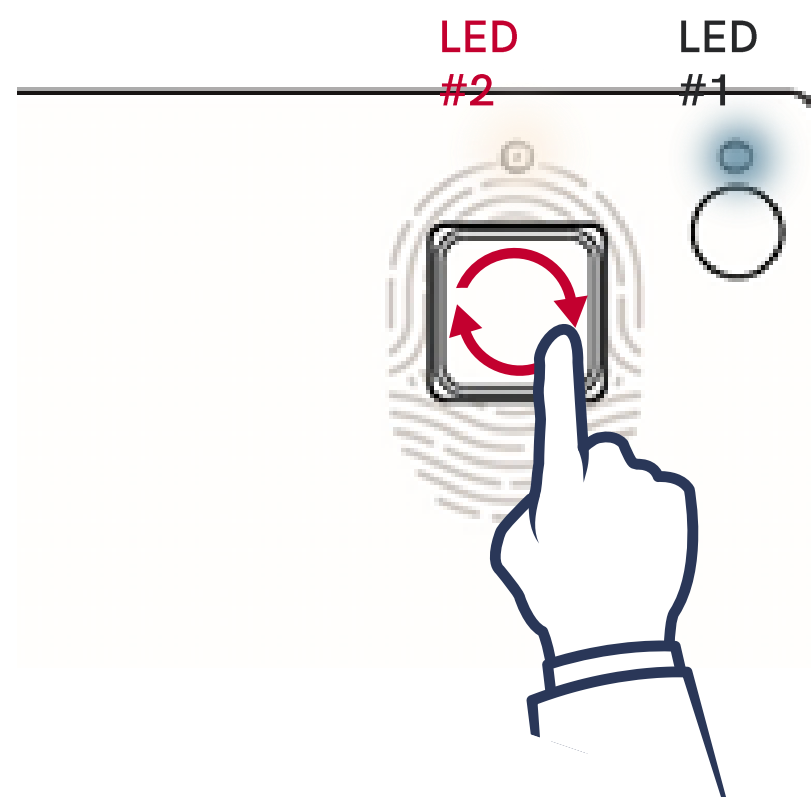
- Power on your ATKey.Card.
- ▬ LED#1 Blue ON.
- Press the side button 3 times quickly.
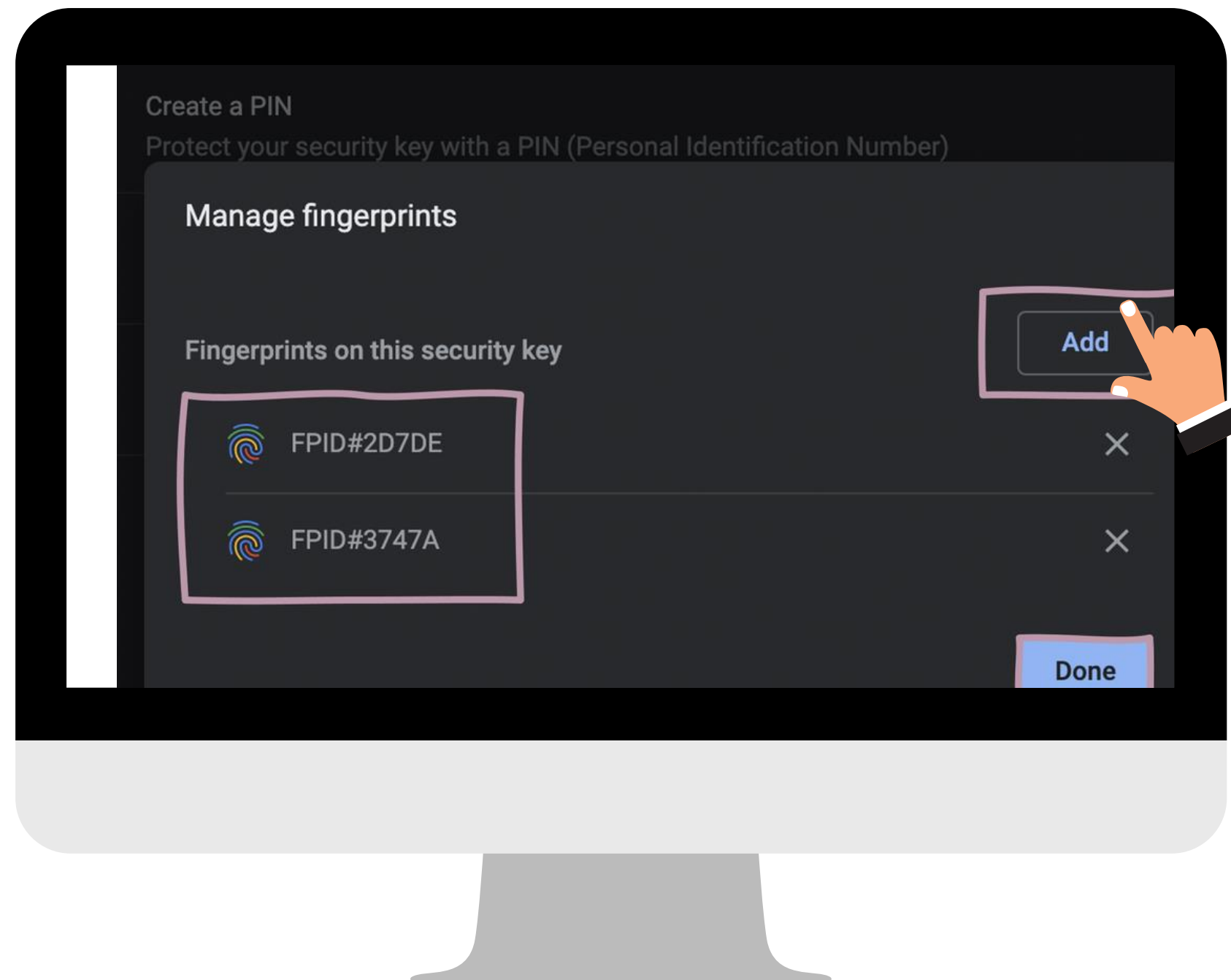- ○ ○ ○ LED#2 turns WHITE.
- Touch the sensor in a circular motion, ○ ○ ○ LED#2 will change from slowly flashing to faster flashing.
- ▬ LED Green ON, enrollment is complete.

Tutorial video

- If you want to quit "standalone enrollment", press the button and the LED will turn to ▬ Blue, back to the normal state.
- If there are any enrolled fingerprints in your ATKey.Pro, LED#2 will ● ● ⁄⁄ Green flash first on step 4, that you need to verify registered fingerprint to start enrolling new finger.

Key Setup

- ATKey for Windows(App)

① Download "ATKey for Windows" App 🅱 �USB⟩

Turn your ATKey.Card on and launch the App.
Version: 2.0.57.0 and above

⬇ **DOWNLOAD**

ATKey for Windows

[+] Add and Register ATKey

Bluetooth
🔵 On
Now discoverable as "DESKTOP-239KLM0"

Registered ATKey
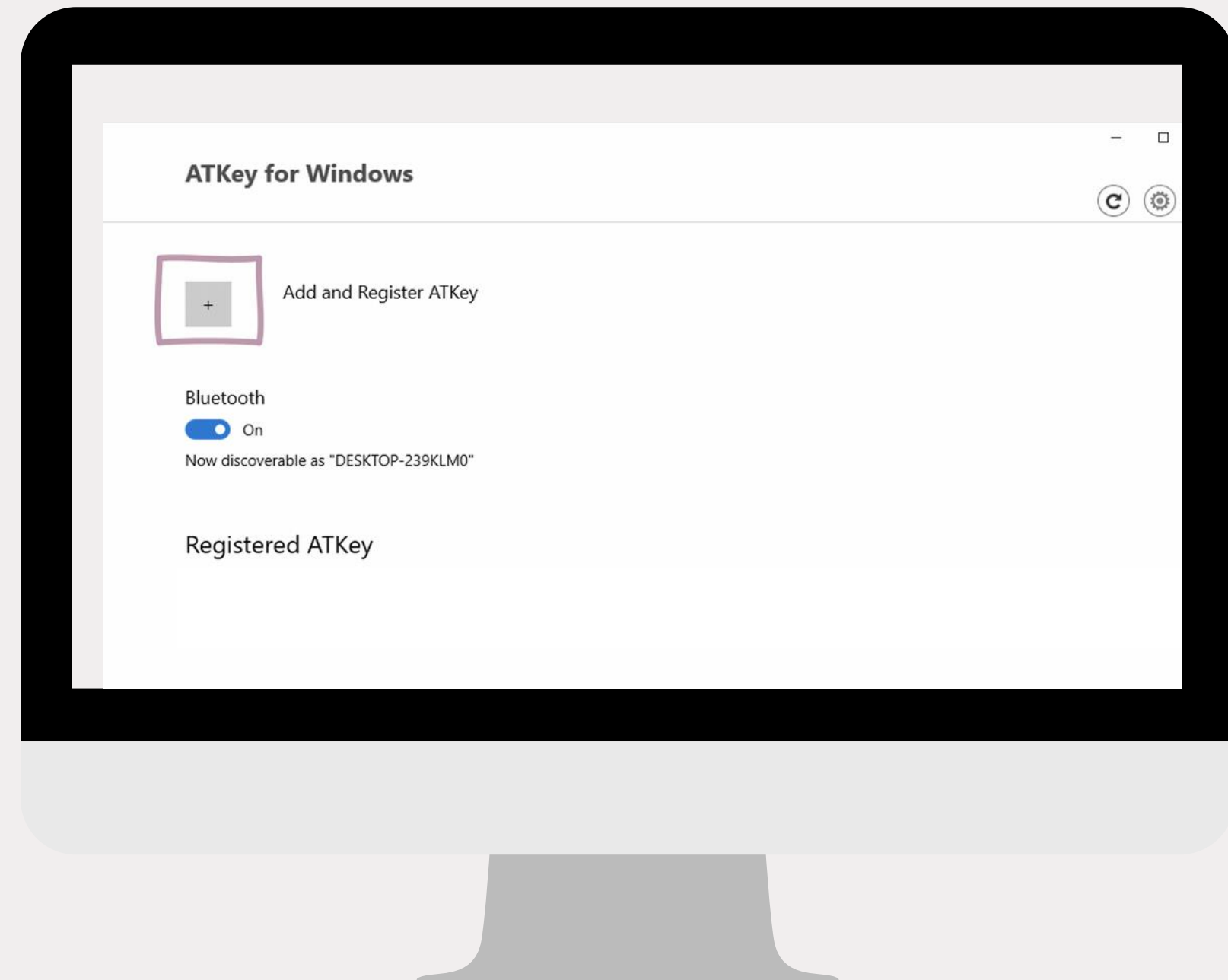
② Pair and Register Your ATKey

- Press the power button twice and BLE begins broadcasting (LED#2 flashes in CYAN)
- Touch the fingerprint sensor to confirm the BLE pairing (LED#2 flashes in WHITE)
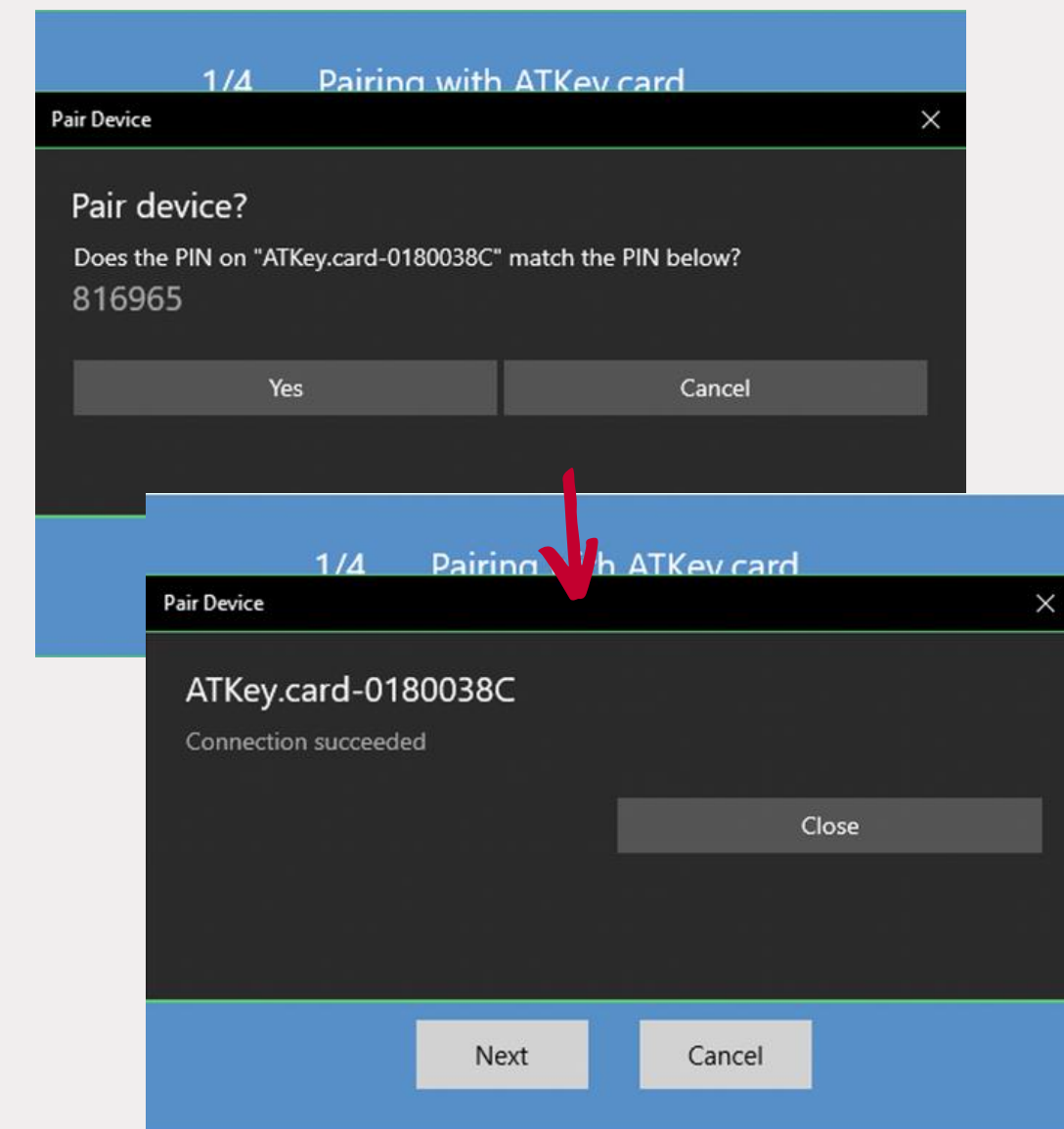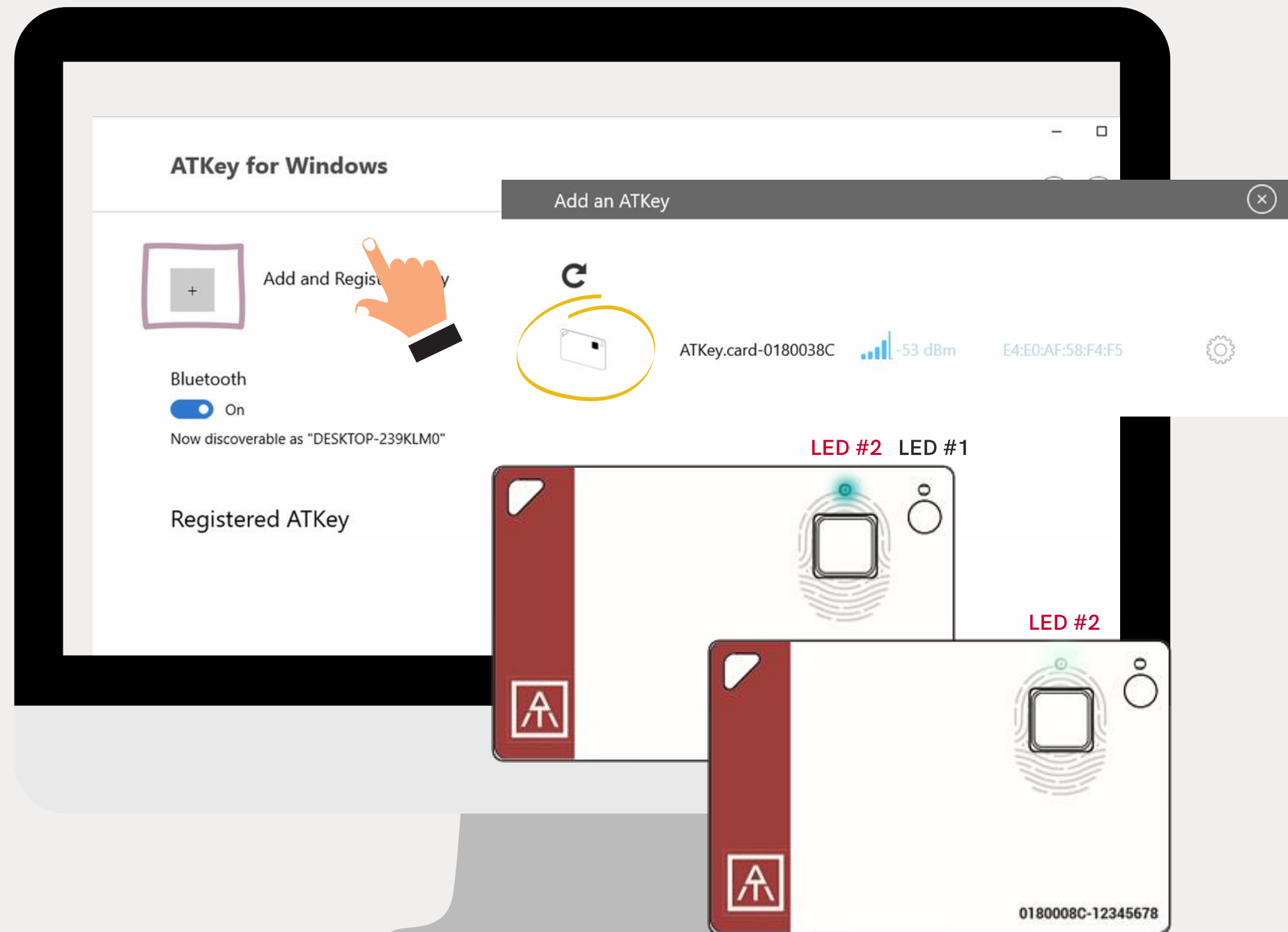
③ Enroll your fingerprint

Follow the instructions to add fingerprint.

Default name is -: ATKey.Car + S/N
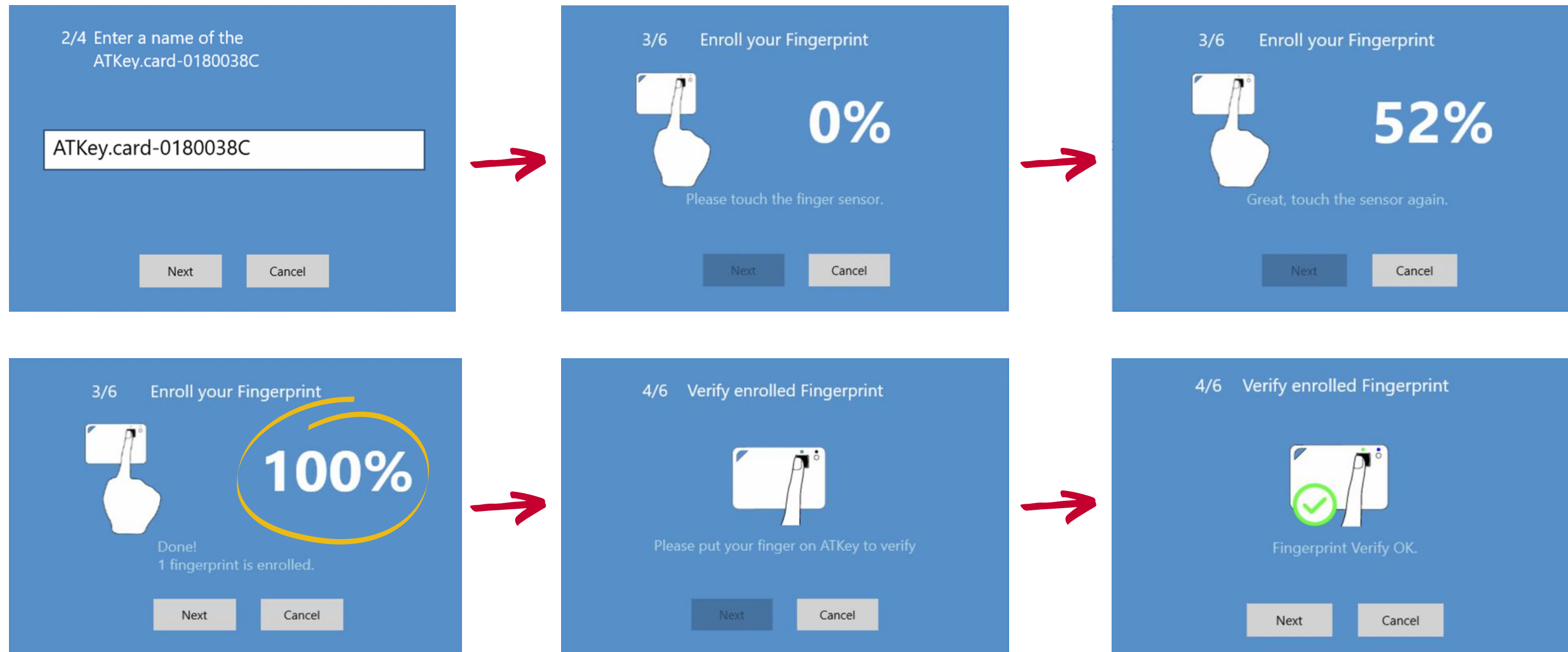
4 Enroll Your Fingerprint

After been successfully enrolled, the fingerprint will be listed in the main window.

for Windows

Add and Register ATKey

verable as "DESKTOP-239KLM0"

ered ATKey

ATKey for Windows

+   Add and Register ATKey

Bluetooth
On
Now discoverable as "zSamsung-Notebook9-Pen"

Registered ATKey

ATKey.card-0180038C
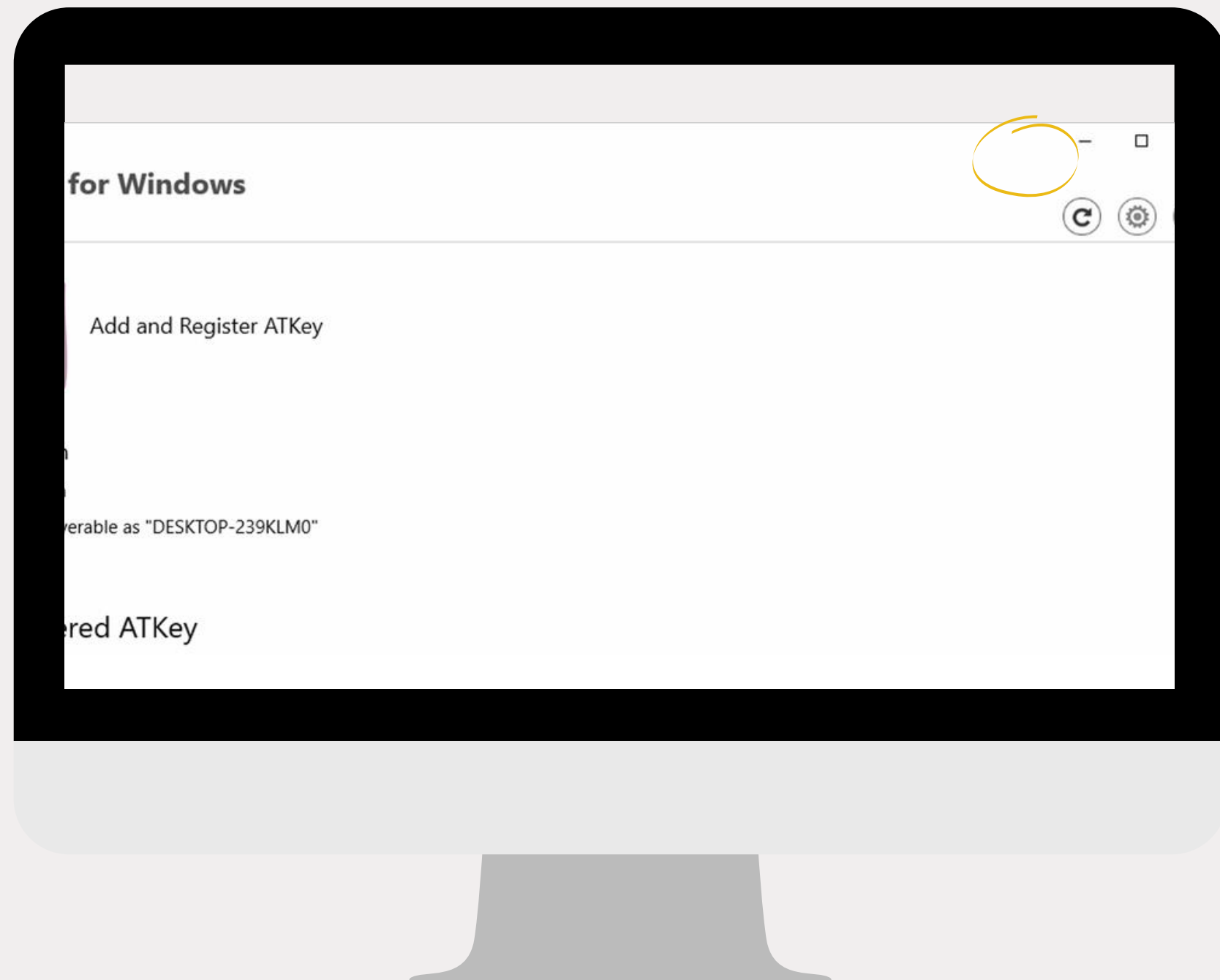
Others
- Add and remove fingerprints

Fingerprint Management

Turn your ATKey.Card on and launch the App

Fingerprint   ✕

 ⊕ Add Fingerprint

 ⊗ Delete all Fingerprint

 ⚙ Calibrate Fingerprint Sensor

ATKey for Windows

 +   Add and Register ATKey

Bluetooth
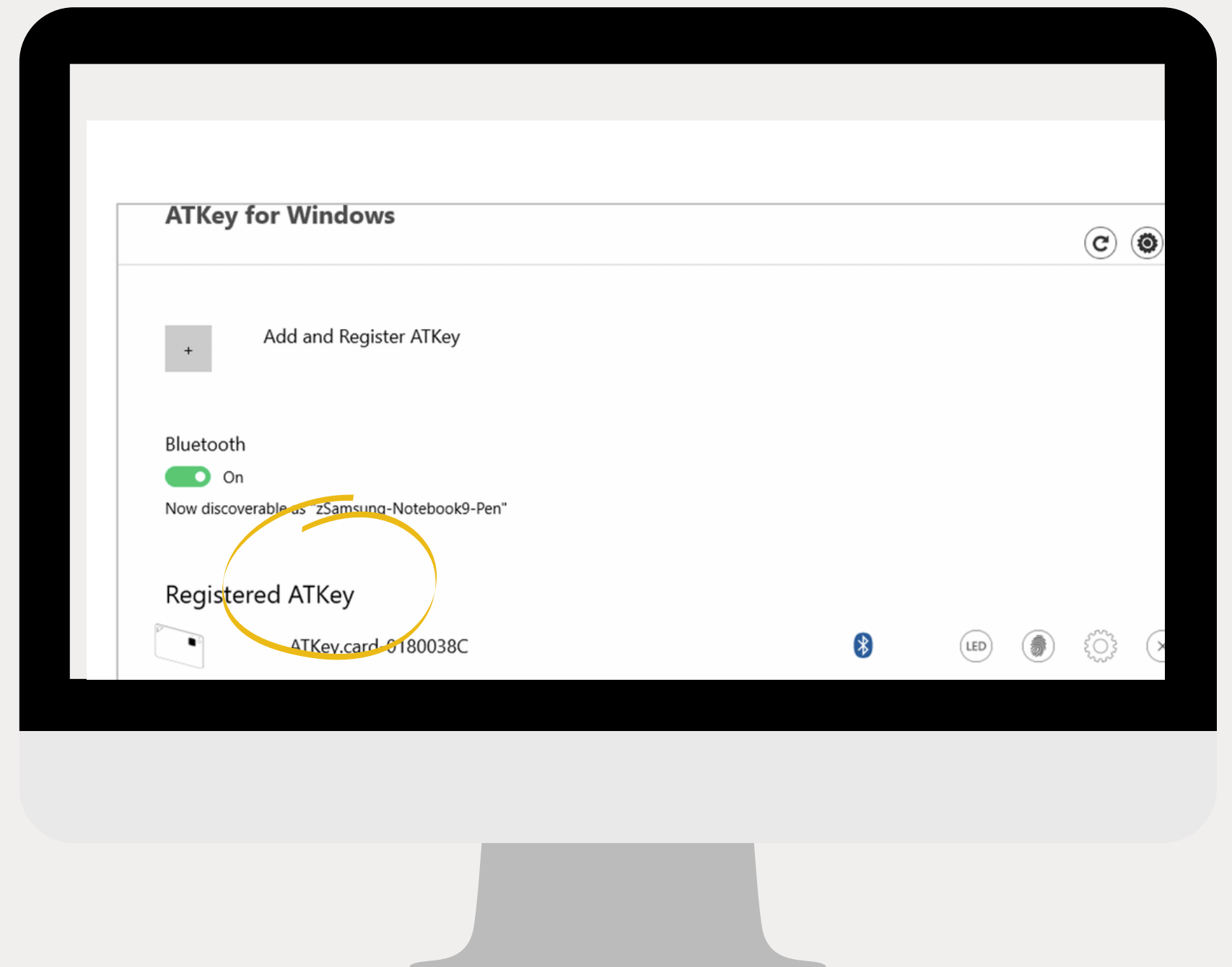 On
Now discoverable as "zSamsung-Notebook9-Pen"
Bluetooth is Enabled OK.

Registered ATKey

: ▪   ATKey.pro-01C00037   ⟜ LED 👆 ⚙ ⊗

② Add / Remove Fingerprints

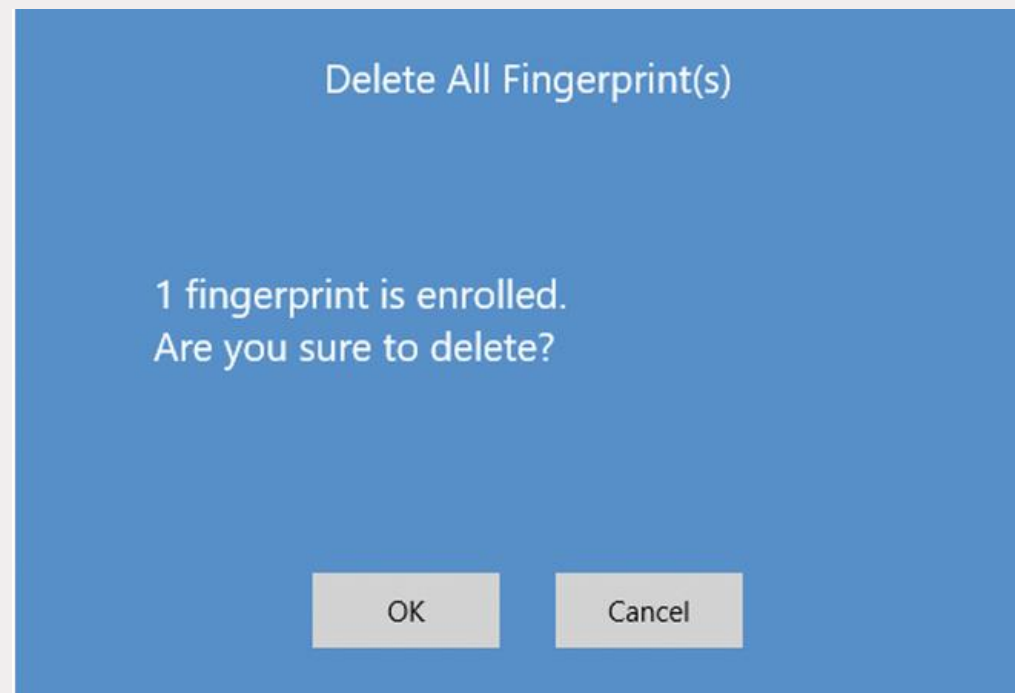| 1/2 Enroll your Fingerprint	Delete All Fingerprint(s)	Calibrate Fingerprint Sensor
0% Please touch the finger sensor. [Next] [Cancel]	1 fingerprint is enrolled. Are you sure to delete? [OK] [Cancel]	Click "OK" to re-calibrate Fingerprint sensor! Please DON'T touch Fingerprint sensor during calibration! [OK] [Cancel]

- Enroll new fingerprints by following instructions.

- It needs Windows PIN code to authorize before delete fingerprints.

- Doing Calibration to recalibrate the sensor.
- Don't put your finger on it during calibration.
- ○ ○ ○ WHITE LED will flash and back to ▬▬ Blue.

Enjoy your biometric authentication experience!

Download the user manual from here:

Powered by **AUTHENTREND**

Questions?
Let us know!

www.authentrend.com/atkey-card

contact@authentrend.com