### ATKey.Phone Quick Guide

2018.03 rev1.0

#### • Preface

- ATKey.Phone is a iOS app to unlock your Windows 10 (Windows Hello) and also Mac OSX by TouchID or FaceID from your iPhone - turn your iPhone as an authenticator to login multiple devices (Windows 10, Mac) and also FIDO U2F service.
- Android version will be ready soon~
- You need to purchase "ATKey.Phone" from Apple store; and you also need to download <u>Windows app</u> or <u>Mac app</u> to your PC to pair (via Bluetooth) with your iPhone; visit <u>https://authentrend.com/atkey-phone/</u> for more detail.

|   | AuthenTrend Technology Inc.  | •                            |
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| ] iPhone  | Proceimant in gene   |                              |
| urn your iPhone as an A<br>IDO U2F enabled servio   | uthenticator to login Windows Hello, Mac and<br>e by TouchID/FaceID. | d 開發者<br>AuthenTrend Technol |

"ATKey for Windows" app (download from Windows Store):
 https://www.microsoft.com/store/apps/9P7GR8W/9SID3)

| Atthey for Windows AutenTeed Technology Inc. This product is installed.  Caurdy Principlant •••  |              | General General |
|--|--------------|-----------------|
| Description  | Available on |                 |
| ATKey.BLE is a new fingerprint enabled authenticator to support both Windows<br>Helio and FIDO U2F via BLE (Biuetooth smart) instead of USB dongle.<br>Through this app (ATKey for Windows), you can pair the key, enroll your<br>fingerprint in and also associate as a Companion device for Windows. | Prc<br>Hub   |                 |
| Screenshots  |              |                 |
|  |              |                 |

- After installed app, please follow below steps to Enable PIN of Windows
- Windows hello needs PIN code of Windows, please setup it from below page:



• Windows Settings = > Accounts

• Accounts => Sign-in Option

| Settings                 |  |                       |
|--------------------------|--|-----------------------|
| Home                     | Sign-in options  |                       |
| Find a setting           |  | Related settings      |
|                          | Windows Hello is preventing some options from being shown.                     | Lock screen           |
| Accounts                 | If you've been away, when should Windows require you to sign in again?         |                       |
| R≣ Your info             | Every Time $\sim$  | Have a question?      |
| M Email & ann accounts   |  | Get help              |
| en entra deprécedants    | Uindows Hello  | Males Missians Instan |
| 🗞 Sign-in options        | -<br>Cian in to Mindows, and an issue by teaching Mindows to                   | Give us feedback      |
| Access work or school    | sign in to windows, apps and services by teaching windows to<br>recognize you. | ore as recover        |
| A, Family & other people | Learn more about Windows Helio   |                       |
| <b>.</b>                 | Fingerprint  |                       |
| Sync your settings       | Add another Remove   |                       |
|                          | Face Recognition   |                       |
|                          | Set up   |                       |
|                          |  |                       |
|                          | Automatically dismiss the lock screen if we recognize your face                |                       |
|                          |  |                       |
|                          | 🖓 Password   |                       |
|                          | Change your account password   |                       |
|                          | Change   |                       |
|                          |  |                       |
|                          | III PIN  |                       |
|                          | You can use this PIN to sign in to V dows, apps, and services.                 |                       |
|                          | Change   |                       |

- PIN
- o SETUP your PIN code following Windows instructions
- We turn the iPhone as an external authenticator for Windows Hello via CDF (Companion Device Framework) to login Windows 10

 $\circ$  "ATKey for Mac" app (download from AuthenTrend web):

•

https://authentrend.com/download/ATKeyForMac.zip

- For Mac OSX, we send secure U2F token to Mac to bring the filled password to login:
  - this means you need to enable "Require password" as "immediately"

| Ceneral FileVault Firewall Privacy   A login password has been set for this user Change Password. Change Password. Show a message when the screen is locked Set Lock Message. Allow apps downloaded from: App Store and identified developers Advanced Advanced Advanced Advanced Advanced Advanced Advanced Advanced El information El infor  |  | Security &  | Ргіvасу                             | Q Search                       |
|---|--|---|-------------------------------------|--------------------------------|
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| App Store and identified developers   | Allow apps   | downloaded from:  |                                     |                                |
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- Start your ATKey.Phone
  - You need to "Allow" "Send you Notifications" as below:



• You need to "OK" for Bluetooth as below:



• Showing "Hints" at app 1<sup>st</sup> launching stage (Turn Bluetooth on; download app for both iPhone and PC; pare iPhone to PCs (pair one by one):



• Click "Got it" to get into app – here will list all paired devices here:



• Then, pairing iPhone from Windows or Mac

| ATKey Windows App   | (j @ × |
|---|--------|
| + Add and Register ATKey  |        |
| Bluetooth<br>Con<br>Construction a "Z-Surface-OJBOIVQ"  |        |
| Registered ATKey  |        |
|   |        |
|   | _      |
| <ul> <li>you can turn system Bluetooth on here</li> <li>showing the name of the host PC System</li> </ul> |        |
| <ul> <li>listing "Registered ATKey here"</li> <li>Starts from "+" Add and Register ATKey</li> </ul>       |        |
| <ul> <li>Discover ATKey (base on RSSI) around the host PC</li> </ul>                                      | 1      |
| ATKey for Mac   | (i)    |
| Add an ATKey  |        |
|   |        |

- Click your iPhone to connect
  - For Windows 10, it needs pair by 6 digits input, then it needs authorization from Windows Hello (PIN code or ...)
    - We will copy the iPhone name + "\_U2F" as default name of the key, you can type in the name you preferred (max. 16 text), but it's better removing all special characters or double byte character to avoid naming issue from FIDO security key
    - "Check" "Companion ATKey to this PC" to enable Windows Hello CDF



 We can do "auto lock" base on RSSI (the Bluetooth signal between iPhone and PC) if you ENABLE below item

| Allow away (OS b   | Windows 1<br>and autom<br>uild 1703 c | to detect whe<br>latically lock t<br>or later version                                  | n you are<br>he device<br>າ)         |              |
|--|---------------------------------------|--|--------------------------------------|--------------|
|  | Done                                  | Cancel   |                                      |              |
| <ul><li>Settings</li><li>Home</li><li>Find a setting</li></ul>   | Si<br>دh                              | gn-in options<br>ange your account passw<br>Change                                     | ord                                  |              |
| Accounts          RE       Your info         Image: Email & app accounts         Sign-in options         Access work or school | Yo<br>I fe                            | PIN<br>u can use this PIN to sign<br>Change<br>orgot my PIN                            | in to Windows, apps, and services.   |              |
| R, Family & other people   |                                       | Picture password<br>gn in to Windows using a<br>Add                                    | favorite photo                       |              |
|  | yo<br>Lee                             | indows can use devices th<br>u're away.<br>] Allow Windows to deter<br>lock the device | at are paired to your PC to know whe | ∍n<br>ly<br> |

- For Mac, it can connect by TouchID verification directly, please type in Mac login password properly (if your typing password is not right, we can't login it well)
  - We will copy the iPhone name + "\_U2F" as default name of the key, you can type in the name you preferred (max. 16 text), but it's better removing all special characters or double byte character to avoid naming issue from FIDO security key

| Ad       | 2/2 Register as a Companion Device | - |
|----------|------------------------------------|---|
| <u> </u> | Authorized by login password:      |   |
|          | Cancel                             |   |
| 2        | Verify passed                      |   |
| . 6      | Cancel Next                        |   |
| _        |                                    | _ |

• Back to iPhone, you can select a proper icon to represent the PC, and type in the name of the PC

| Rename<br>Rename<br>Wew device<br>Cancel OK | Imacbook         Register: 2018/3/31, 2:06 PM |
|---|---|
| q w e r t y u i o                           | р   |
| asdfghjkl                                   |   |
|   |   |
| 123   |   |

- Ready to use
  - For both Windows 10 or Mac OSX, at login screen, it will broadcast (Bluetooth) to find paired ATKey (iPhone) to connect, then you will receive a notification at phone, just click it and following the screen by TouchID or FaceID to login Windows 10 or Mac OSX.



- FIDO U2F (2<sup>nd</sup> Factor)
  - If you want to get more ideas of FIDO and U2F, please visit this URL: <u>https://fidoalliance.org/specifications/overview/</u>
  - ATKey for U2F
    - Read these items first:
      - 1. Please download and install Chrome Browser, we are doing U2F base on Chrome plug-ins
      - 2. Here are FIDO U2F enabled online services



- i.
  b. If you are using Google ID or Facebook ID as other online login, you can leverage ATKey as 2<sup>nd</sup> factor still for higher security
- 3. Please make sure you already paired and companioned your ATKey for Windows
- This is generic FIDO U2F:
  - 1<sup>st</sup> factor: something you know (ID/Password),
  - 2<sup>nd</sup> factor: something you have (authenticator) SECOND FACTOR EXPERIENCE

# (U2F standards)



- AuthenTrend brings biometrics into FIDO as 3<sup>rd</sup> factor combining with 2<sup>nd</sup> factor, high secure even you lost the authenticator, no one can use it except fingerprint verified
  - 1<sup>st</sup> factor: something you know (ID/Password)
  - 2<sup>nd</sup> factor: something you are (fingerprint) + something you have (ATKey)



1<sup>st</sup> factor: Something you know (ID/Password) 2<sup>nd</sup> factor: Something you have + Something you are!

- Install and enable U2F (for Windows 10 only; for Mac, no extra download needs, it's ready with "ATKey for Mac"):
  - Download and install "ATKey U2F Plug-in" from AuthenTrend web site; after installation, you should see below program icons from Start Menu



#### And "fido U2F" icon is enabled as below:

| + Add and Register ATKey |          |     |     |
|--------------------------|----------|-----|-----|
|                          |          |     |     |
| Bluetooth                |          |     |     |
| On                       |          |     |     |
| Pagiatarad ATKov         |          |     |     |
| Registered AT Rey        |          |     |     |
| ATKey.BLE                | fido U2F | LED | i x |
|                          |          |     |     |

- Take example from Google
  - a) Google.com, login your google account by ID/Password first as usual:

| G Sign in - Google Accounts ×                   |                                       |   |                     |
|---|---------------------------------------|---|---------------------|
| ← → C   | signin/v2/sl/pwd?hl=en&passive=true&c | continue=https%3A%2F%2Fwww.google.com 🟠 | 🖷 🗃 🔚 💥 ⊘ 😳 🗄       |
| 👯 Apps 🔺 Bookmarks 🍳 Google 翻譯 🗎 AuthenTren     | I 🛅 AT-IoT 🚺 Peggo - YouTube to 🗋     | FB MDD下載按鈕 🗋 Youtube MDD下載按鈕 🚞 News     | » 🛅 Other Bookmarks |
| ;;: Apps 🦹 Bookmarks 🖷 Google Bill 🕅 Authenfren | Google<br>Hi Bgmail.com               |   | Dither Bookmarks    |
|   |                                       |   |                     |
| E   | iglish (United States) 👻              | Help Privacy Terms                      |                     |

- b) Enabled U2F
  - Start from "Sign-in & Security":



#### o Turn 2-step Verification ON

| Your pacoword protooto vo             | ur account. You can also add a cocond lavor    |   |
|---------------------------------------|--|---|
| of protection with 2-Step V           | erification which sends a single-use code to   |   |
| your phone for you to ente            | r when you sign in. So even if somebody        |   |
| manages to steal your pas<br>account. | sword, it is not enough to get into your       |   |
| Note: To change these set             | tings, you will need to confirm your password. |   |
| Password                              | Last changed: September 29, 2013               | > |
|                                       |  |   |

#### o Get Start



• Login again by ID/Password:



• You must get SMS code from your mobile phone first – select your country, type in your phone number, click "SEND" to receive SMS code

| Let's set up your phone                                |      |
|--|------|
| What phone number do you want to use?                  |      |
| ·  |      |
| Google will only use this number for account security. |      |
| Message and data rates may apply.                      |      |
| How do you want to get codes?                          |      |
| Text message      O Phone call                         |      |
| USE PROMPT INSTEAD                                     | SEND |

• Type in SMS code



 $\circ$   $\$  Page down to find "Security Key" and "add security key"

Voice or text message (default)

You'll stay signed in to @gmail.com on these devices:

You'll be signed out of your other devices. To sign back in, you'll need your password and second

Second

step:

step.

TURN ON



• Prepare your ATKey



 Register ATKey here – when Blue LED is flashing (ATKey), touch by your registered finger, when Green LED is ON, it means fingerprint verified and register this ATKey to Google U2F server; if Red LED is on, it means fingerprint failed, wait and verify again



• Fingerprint verified, type in the name of ATKey, then "Done"



 $\circ$  Then you can see the ATKey listing as a  $2^{nd}$  factor

| 2-Step Verification  |  |
|--|--|
| 2-Step Verification is ON since Feb 6, 2018  | TURN OFF   |
| Your second step<br>After entering your password, you'll be asked for a second verification step. Learn mor  | e  |
| Security Key (Default) ⑦<br>ATKey9b (Added: Just now)<br>Last used: –<br>Chrome on Windows in Beitou District, Taipei City, Taiwan<br>ADD SECURITY KEY |  |
| Voice or text message<br>0936 326 729 Verified<br>Verification codes are sent by text message.<br>ADD PHONE  | i  |
|  | 2-Step Verification 2-Step Verification is ON since Feb 6, 2018 Your second step After entering your password, you'll be asked for a second verification step. Learn mor Security Key (Default) ③ ATKey9b (Added: Just now) Last used: - Chrome on Windows in Beitou District, Taipei City, Taiwan ADD SECURITY KEY Voice or text message 0936 326 729 Verified Verification codes are sent by text message. ADD PHONE |

- c) Logout and login your Google account again:
  - $\circ$  1<sup>st</sup> factor: ID/Password still



 2<sup>nd</sup> factor: when the blue LED is flashing (ATKey), touch your fingerprint to verify (Green LED on), then it passed 2<sup>nd</sup> factor to login your google account

| ccounts ×   | Zak |
|---|-----|
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- For other U2F enabled services:
  - Dropbox: <u>https://www.dropbox.com/help/security/enable-two-step-verification</u>
  - Facebook: <u>https://www.facebook.com/notes/facebook-security/security-key-for-safer-logins-with-a-touch/10154125089265766/</u>
  - Github: <u>https://help.github.com/articles/configuring-two-factor-authentication-via-fido-u2f/</u>
  - Salesforce: <u>https://help.salesforce.com/articleView?id=security\_u2f\_enable.htm&type=5</u>

- Trouble Shooting
  - For iPhone vs. Windows 10
    - If you can't receive the notification at iPhone during Windows login screen:
      - Make sure Bluetooth is ON for both iPhone and Windows, and iPhone is not occupied by other device (Bluetooth connection)
      - BLE broadcasting (this is background task to consume battery, and it won't stop) for better BLE connection and actions
  - o For iPhone vs. Mac
    - If you can't receive any notification at iPhone during Mac login screen:
      - Make sure Bluetooth is ON for both iPhone and Mac, and iPhone is not occupied by other device (Bluetooth connection)



- Password must be correct
- If all above items are correct, try to reboot your iPhone and Mac to check again