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AuthenTrend ATKey.Hello (Hello Dongle) and TypeC, touch base Fingerprint USB dongle

(WBF driver WHQL certified, ready on Windows Update)

ATKey.Hello

ATKey.Hello TypeC

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⚠️ There are some FAKE fingerprint dongles copied our design and even driver, and we won't support those dongles; if you find your dongle has no "AT" logo, or it can't download driver with automatic installation from Windows Update, it should be a fake one; please mail to contact@authentrend.com for more details.

⚠️ ATKey.Hello only supports Windows 10 32/64-bits OS.

1 **For the first-time user**

(go to the next section if you ever installed previous ATKey.Hello driver)

1. Install driver

- Insert ATKey.Hello dongle to available USB port
    - o If your OS is Windows 10 RedStone 1 version (build 1607, upgrade after 2016.08) and connects to the internet, it will install the driver from Windows update automatically when you insert your dongle.
    - o If your OS is NOT upgrade to Windows 10 RedStone 1 version, you can still find the driver from Windows update by "Search automatically for updated driver software."
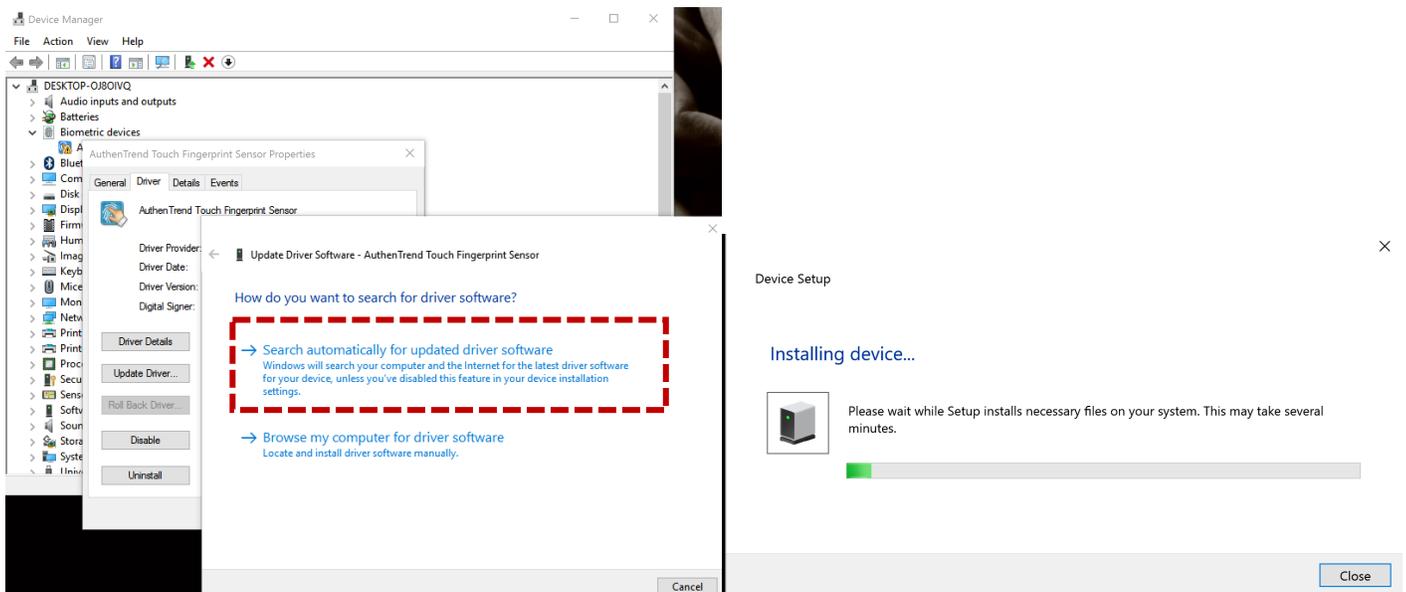
- Jump to **3. Start your Fingerprint on Windows Hello** after installation.

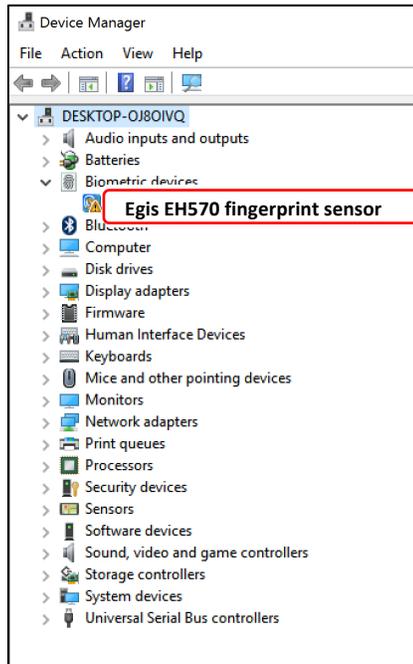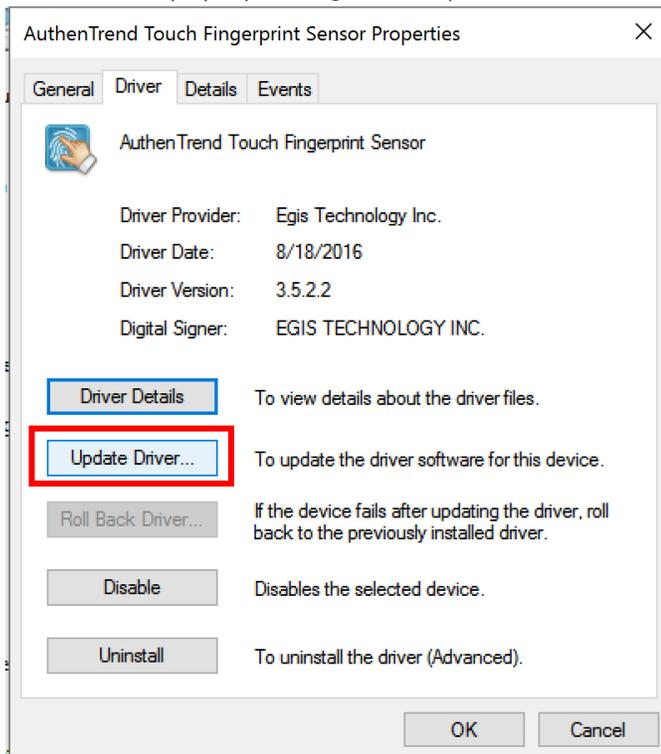**AUTHENTREND**

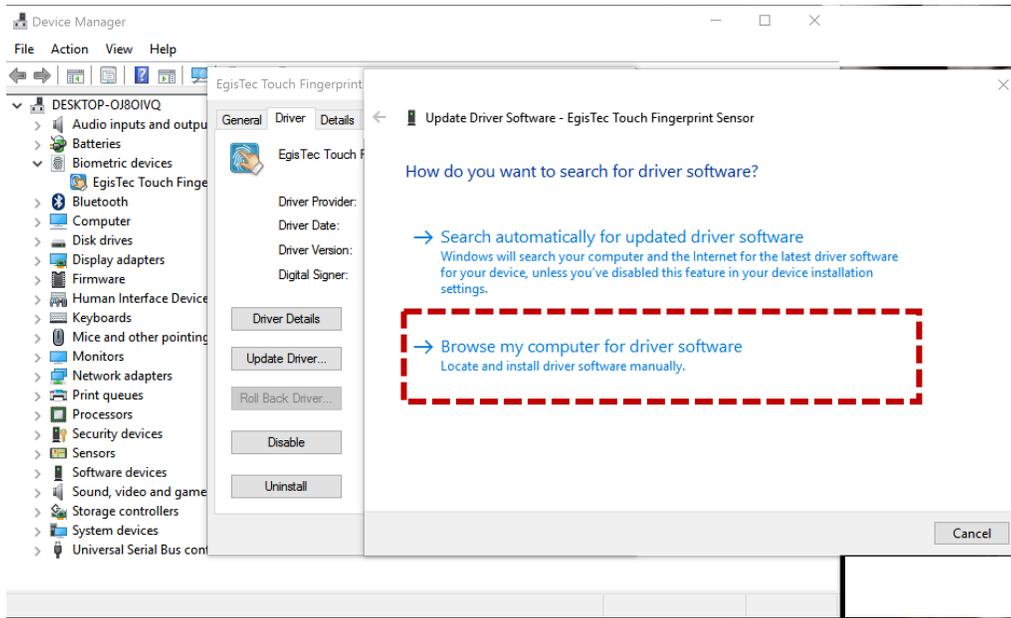2. Manually Driver installation (if it's necessary)

⬇ • Download the driver: https://authentrend.com/wp-content/uploads/2016/05/ATKey.Hello_3.5.2.11_win10_rs3_wbf_whql.zip

   • Driver is INF base (not installation). Please install driver from "device manager" > "Biometric devices" to browse your driver folder to install.

   • From Device Manager, find "Biometric devices" > ⚠ "Egis EH570 sensor" and click.

```
Device Manager
File  Action  View  Help
← → | ▥ | ? ▥ | 💻
∨ 🖥 DESKTOP-OJ8OIVQ
  > 🔊 Audio inputs and outputs
  > 🔋 Batteries
  ∨ 🔘 Biometric devices
      ⚠  Egis EH570 fingerprint sensor
  > ❽ Bluetooth
  > 💻 Computer
  > 💾 Disk drives
  > 🖥 Display adapters
  > 🖥 Firmware
  > 🎛 Human Interface Devices
  > ⌨ Keyboards
  > 🖱 Mice and other pointing devices
  > 🖥 Monitors
  > 🖧 Network adapters
  > 🖨 Print queues
  > 🖥 Processors
  > 🛡 Security devices
  > 🖥 Sensors
  > 🖥 Software devices
  > 🔊 Sound, video and game controllers
  > 🖴 Storage controllers
  > 🖥 System devices
  > 🖥 Universal Serial Bus controllers
```

   • From the pop-up dialog, click "Update Driver" or "Install Driver"

```
AuthenTrend Touch Fingerprint Sensor Properties          ✕

General   Driver   Details   Events

  👆  AuthenTrend Touch Fingerprint Sensor

     Driver Provider:     Egis Technology Inc.
     Driver Date:         8/18/2016
     Driver Version:      3.5.2.2
     Digital Signer:      EGIS TECHNOLOGY INC.

   [ Driver Details ]    To view details about the driver files.

   [ Update Driver... ]  To update the driver software for this device.

   [ Roll Back Driver... ]  If the device fails after updating the driver, roll
                          back to the previously installed driver.

   [ Disable ]           Disables the selected device.

   [ Uninstall ]         To uninstall the driver (Advanced).

                              [ OK ]      [ Cancel ]
```

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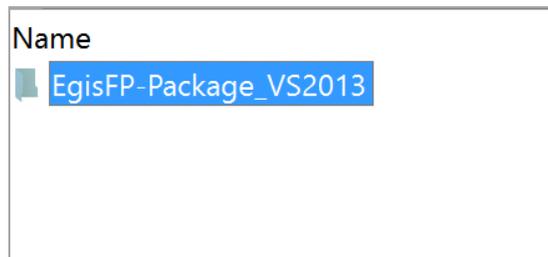- Install driver by browsing the target folder

- Browse INF folder as below:
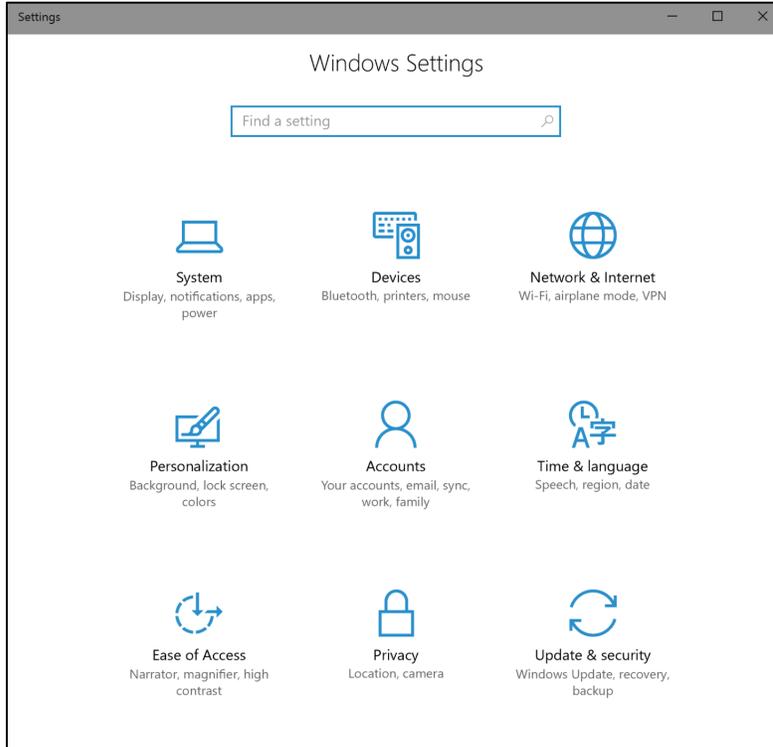

⇨ If you are x64 system

⇨ Win10 Release sub-folder
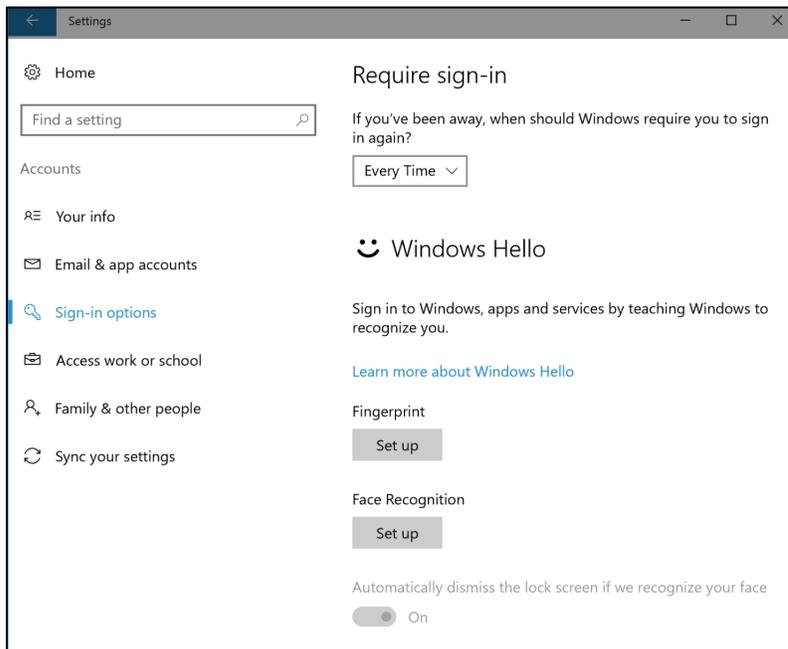

⇨ INF is inside this sub-folder

- **Since we insert "Scheduler" in by registry keys, please "reboot" system to make those "run once" effective!**

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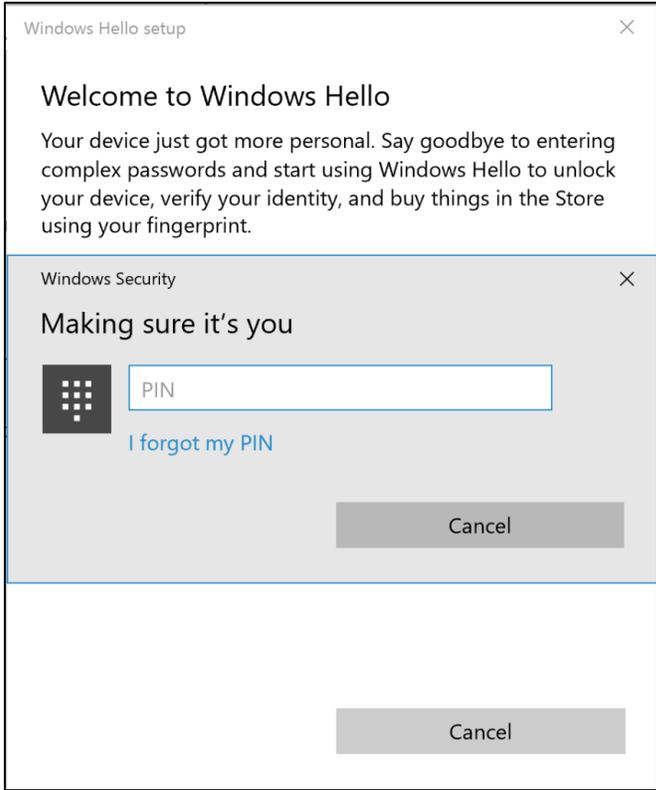
3. Start your Fingerprint to Windows Hello:
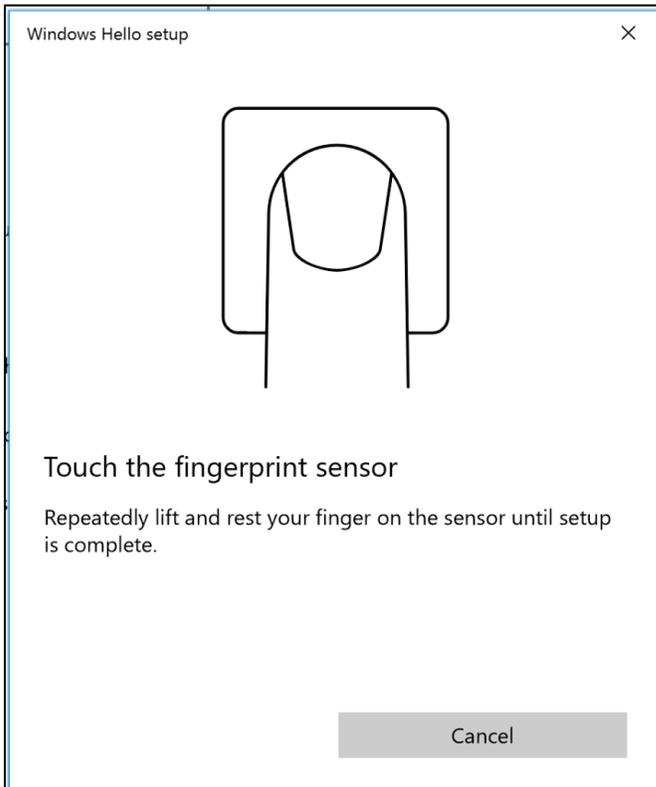
1) Start from "Settings" > "Accounts"

2) "Sign-in Options" > "Fingerprint": "Setup"

3) Type your PIN code first. If you did not set the PIN code yet, Windows Hello will guide you to set it up.

Windows Hello setup	✕

Welcome to Windows Hello

Your device just got more personal. Say goodbye to entering complex passwords and start using Windows Hello to unlock your device, verify your identity, and buy things in the Store using your fingerprint.

Windows Security	✕

Making sure it's you

	PIN

I forgot my PIN

Cancel

Cancel

4) Enroll and Register your fingerprint

Windows Hello setup	✕

Touch the fingerprint sensor

Repeatedly lift and rest your finger on the sensor until setup is complete.

Cancel

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5) It needs around 10 ~ 12 enrollments, following or dongle LED or the GUI instructions (touch, lift) to enroll. Tip: try to enroll (touch) your finger by different area, not always touch by same finger area.

Windows Hello setup ✕

Great, touch sensor again

Cancel
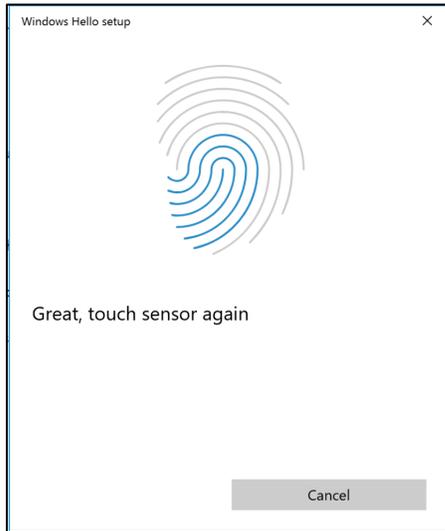
6) All Set. We will recommend you to register at least 2 fingers for the account, and you also can register different finger for different account

Windows Hello setup ✕

All set!
Use your fingerprint the next time you want to unlock your device.

Add another finger

Close

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4. LED

Blue LED ON		Power ON
Green LED ON		Fingerprint verification success
Red LED ON		Fingerprint verification fail
Blue LED flashes		Need to verify fingerprint
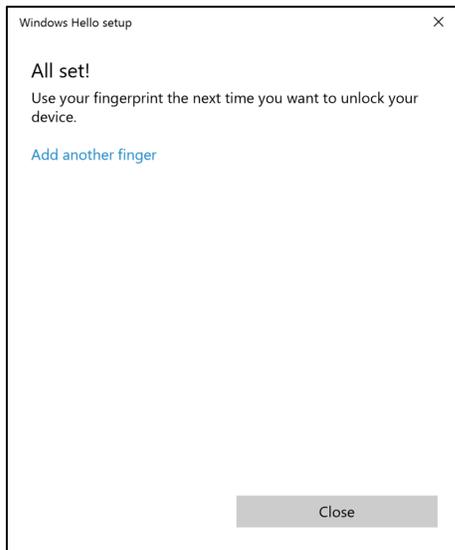
a. When the LED flashes BLUE, that means Windows requests you fingerprint verification. Touch your registered finger to log in.
b. Fingerprint verified if LED shows Green.
c. If LED shows Red, that means fingerprint verification fails.

Windows Hello only allows 3 times fingerprint matching, so if you fail fingerprint logon 3 times (RED LED), please switch to PIN code to log in.

*From Driver 3.5.2.6, we implemented "InstantGo" in, fingerprint sensor will get into standby more after 10 sec without any actions (LED is static blue instead of continuous flashing). However, user can still touch the sensor to wake up it for Fingerprint authentication to logon.
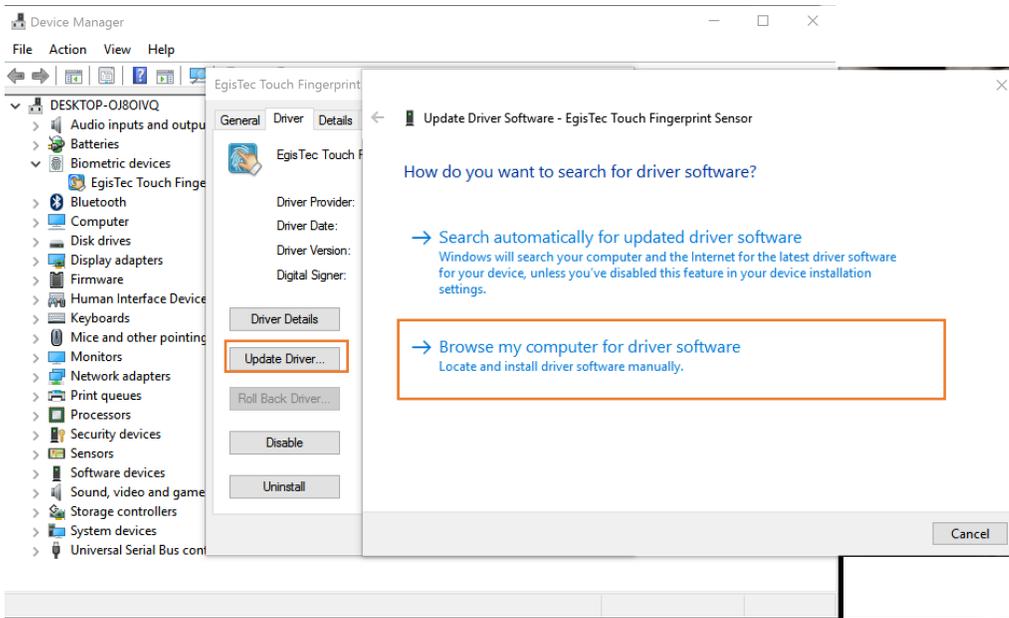
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2   **Already installed any previous version drivers**

1. Driver update

1. Uninstall driver first
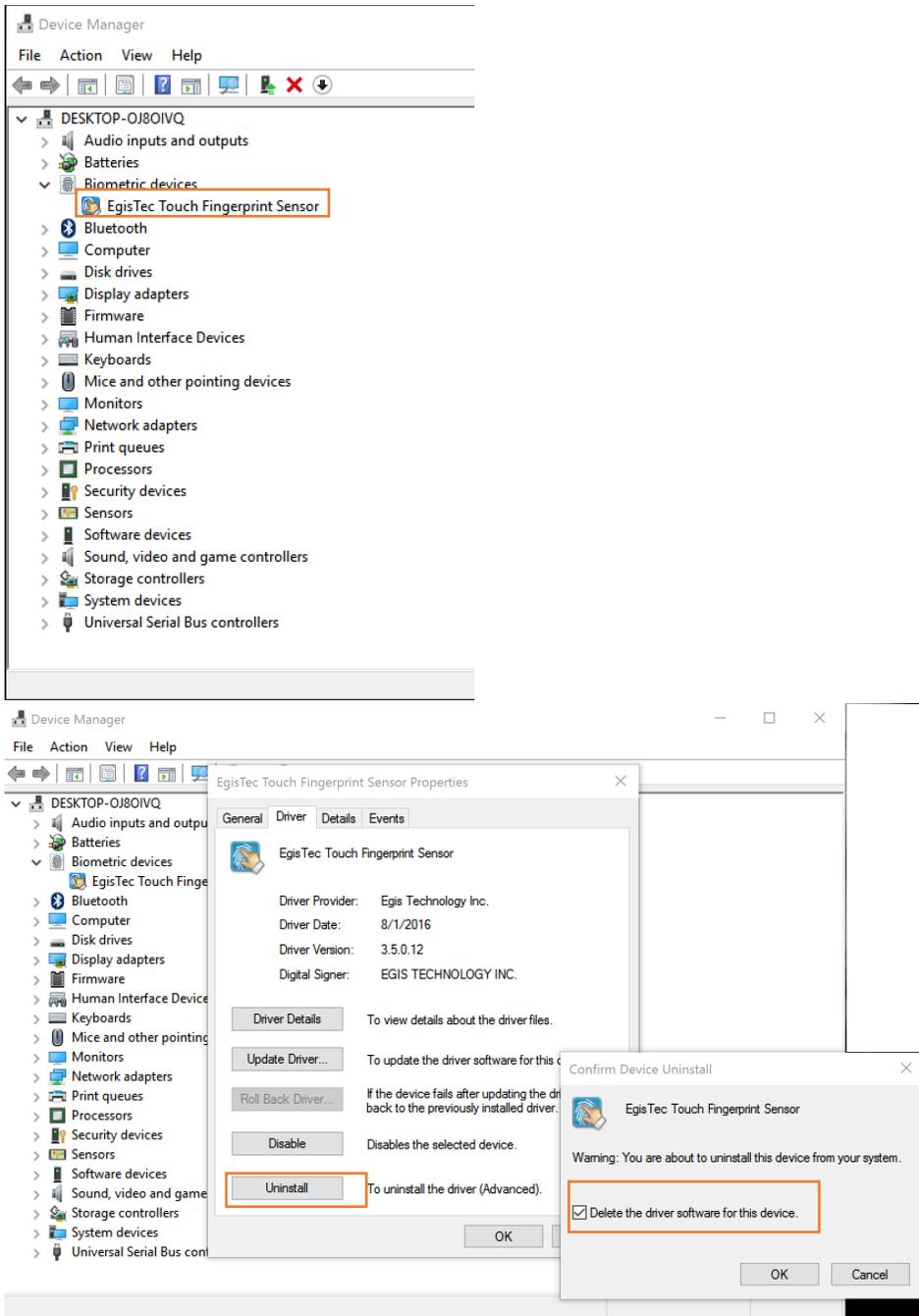
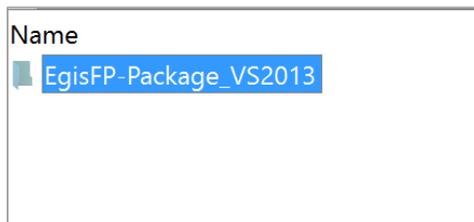2. Upgrade by INF (following Windows Hello Validation requirement)

⇨ download the driver ZIP and unzip it to the specific folder

⇨ Browse to the folder

Name
x86
x64

⇨ If you are x64 system

Name
Win10Release

⇨ Win10Release sub-folder

Name
EgisFP-Package_VS2013

⇨ INF is inside this sub-folder

3. But since we insert "Scheduler" in by registry keys, please "reboot" system to make those "run once" effective!

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2. Starting U2F by ATKey.Hello or ATKey.Hello TypeC

1) Both products are FIDO U2F certified, you can find it from fido web site:
   https://fidoalliance.org/certification/fido-certified-products/

2) Please download "U2F Plug-in for Windows" to install it first:
   https://authentrend.com/download/ATKeyU2FPlug-in_Setup.zip
   You also can learn some ideas for this "U2F Plug-in" from below web site: https://authentrend.com/atkey-u2fplugin/

3) After installation, you can start to enable U2F from web service and register ATKey.Hello as security key as fingerprint enabled 2nd factor

4) Since this is Windows Hello base USB dongle, you need to install U2F Plug-in to

A KEY.Hello

A KEY.Hello ▶ TYPE-C

Protable, Slim & Light

• USB Type-C
• FIDO U2F Certified
• Designed for Windows Hello

Windows Hello Validated ● FIDO U2F certified (U2F plug-in)

Support Server Matching SDK for Enterprise 2FA integrations

Fingerprint sensor	Egis ET320 area sensor
Interface	USB 2.0
Dimension	14.2 x 8.0 x 20.4 mm
Weight	3g
O.S.	Windows 10 32/64-bits Windows 7 32/64-bits
FAR/FRR	< 0.002% / < 3%
Fingers	Multiple fingers
Matching response time	< 1 sec.
Others	Smart Learning 360 degrees matching

Fingerprint sensor	Egis ET320 area sensor
Interface	USB 2.0 TypeC
Dimension	14.2 x 7.6 x 25.6 mm
Weight	3g
O.S.	Windows 10 32/64-bits Windows 7 32/64-bits
FAR/FRR	< 0.002% / < 3%
Fingers	Multiple fingers
Matching response time	< 1 sec.
Others	Smart Learning 360 degrees matching

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