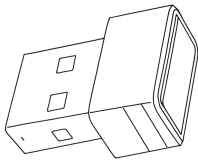


Match-On-Chip (MoC) Method USB Fingerprint Authentication Device

User Manual



The "TE-FPA4-MC" is a USB fingerprint authentication adapter that uses the Match-On-Chip (MoC) method to complete fingerprint matching within the device. It is compatible with Windows 10/11 standard features "Windows Hello" and "Windows Hello for Business," allowing for simple setup without the need for dedicated drivers.

Can register up to 10 fingerprints, making it ideal for shared use by multiple users and preventing unauthorized login to desktop PCs.

Please Check First

Before use, please confirm that all included items are present. If anything is missing, please contact your retailer.

Package Contents

- Fingerprint authentication reader1 unit
- User manual & warranty ... 1 copy

The contents of this instruction manual may be changed without notice. For the latest information, please visit our company website (<https://www.tecnosite.co.jp>).

TEC CO.,LTD.

Safety Precautions

Please Read Carefully

To prevent personal injury and property damage, we have clearly stated what you must observe.

■ We have categorized and explained the severity of harm and damage that may occur from incorrect use.

Content that must not be done.

Content that must not be neglected.

WARNING

If unusual sounds, heat, or odors occur, immediately stop use, disconnect the power source, and promptly contact the retailer or our company.

Do not disassemble, modify, or repair the device yourself. There is risk of fire, electric shock, or malfunction. Please consult the retailer or our company regarding internal inspections or repairs.

Do not touch or operate with wet hands. Also, do not spill water or other liquids on the device. This may cause short circuits, electric shock, or malfunction.

CAUTION

Do not subject the device to impacts such as dropping or falling. This may cause device damage, malfunction, or injury. Please contact the retailer or our company immediately if injuries occur.

Do not use for purposes other than intended. This may cause accidents or malfunction.

In hospitals or on aircraft, follow the instructions of the hospital or airline. Electromagnetic waves from this device may affect precision equipment.

Regarding data management created with this device, we ask that you take responsibility for it yourself. We recommend backing up important data.

1. Key Features

- USB-connected fingerprint authentication reader that prevents unauthorized PC login and data leakage
- High-precision Match-on-Chip method that matches/encrypts fingerprint information within the device for secure storage
- Windows Hello compatible (Windows 10/11 standard feature) for password-free one-touch login
- Can log into cloud services that support biometric authentication using Windows Hello/passkey *Passkey requires separate configuration
- Can register up to 10 fingerprints; shared use by multiple users is possible

2. Compatible OS/Compatible Devices

- Compatible OS: Windows® 10・11 (32bit/64bit)
- Computers with USB-A ports from various manufacturers
- May not operate in some security software environments

3. About Windows Hello Compatibility

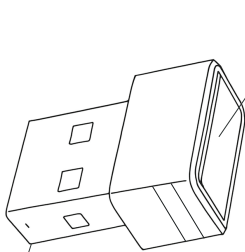
- This product uses Windows Hello standard functionality
- Please verify in advance that Windows Hello is enabled on your PC
- Please verify in advance that Windows Hello is enabled on your PC

4. Specifications

Connection Interface	Compatible with USB 2.0 / 3.0
Compatible OS	Windows 10 / Windows 11
Fingerprint Sensor	Capacitive touch sensor (360° recognition compatible)
Recognition Speed	0.50 seconds (theoretical value))
Recognition Accuracy	False acceptance rate: 0.001% or less, False rejection rate: 1.7% or less
Registration Data Storage Method	Internal MoC (Match-on-Chip) method
Maximum Registrable Fingerprints	10 entries (10 fingers)
Product Dimensions	Approx. 19.2mm × 15.7mm × 9.9mm
Product Weight	Approx. 3g

- ※ Specifications are subject to change without notice. For the latest information, please check our company website (<https://www.tecnosite.co.jp>).
- ※ This product stores fingerprint data internally, reducing the risk of data leakage from unauthorized external access.
- ※ Fingerprints can be read from 360° angles, but recognition accuracy may vary depending on authentication environment and individual differences.
- ※ Up to 10 fingerprints can be registered per product.
- ※ Compatible OS and interface specifications are current as of product release.
- ※ This product does not guarantee operation with all connection devices.
- ※ This product cannot be used on PCs that already have built-in fingerprint authentication functionality.
- ※ This product does not completely prevent unauthorized intrusion, data leakage, etc.

5. Component Names and Functions



USB-A Connector
Cable terminal for direct connection to your computer's USB port.

Touch Sensor Section
A capacitive sensor that reads fingerprints by placing your finger on it.

6. Setup Instructions

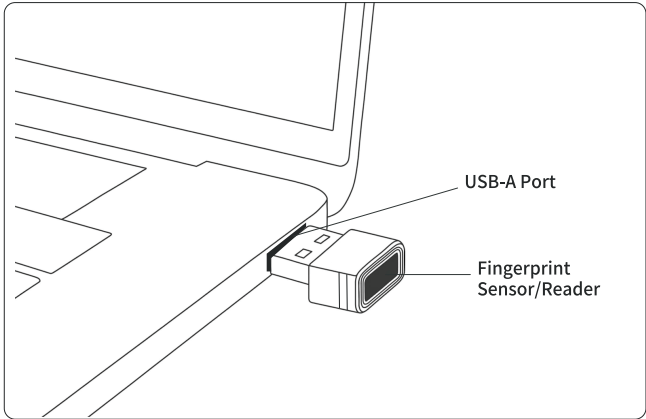
Windows 11/10



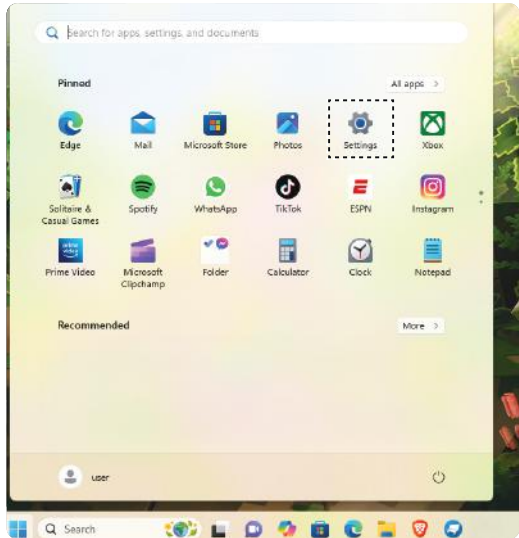
- Important: Before beginning the initial setup, please register a password or PIN for your Windows account.
- When prompted to sign in, please enter the password (or PIN) for your registered Windows account.

Register Fingerprint

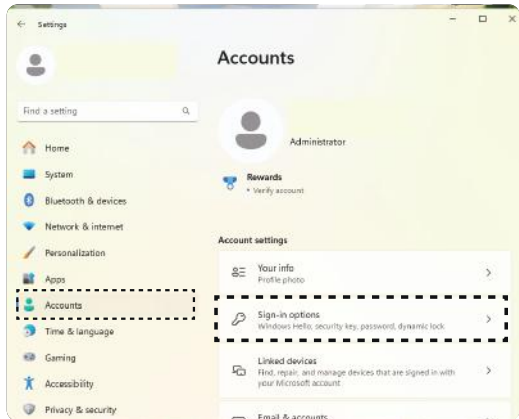
1. Simply plug the device into a USB port, and the drivers will be installed automatically.



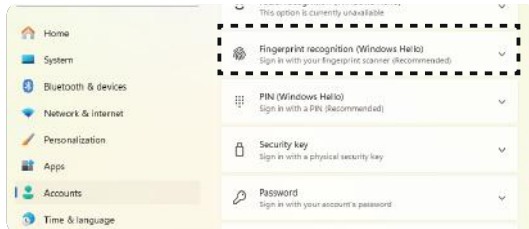
2. Open the Start menu and click on "Settings."



3. From the "Accounts" menu, select "Sign-in options."



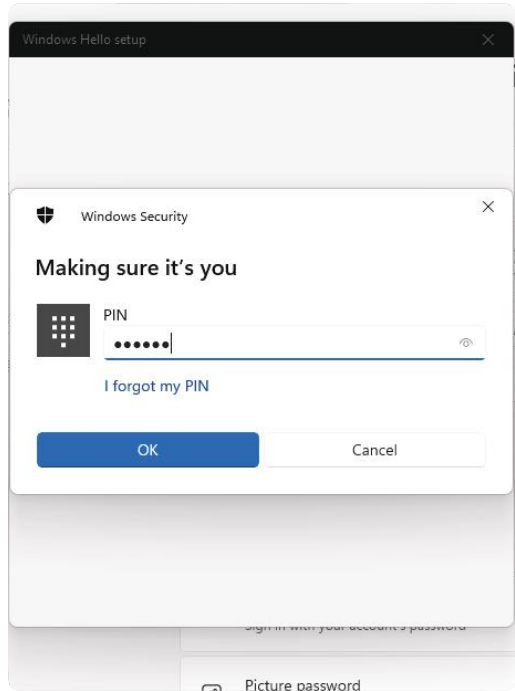
4. As your sign-in method, select "Windows Hello Fingerprint."



5. When the Windows Hello welcome screen appears, click the "Get started" button.



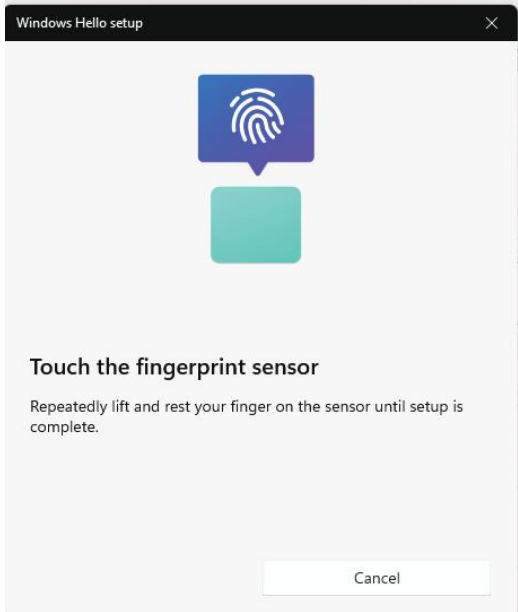
6. Follow the on-screen instructions and enter your PIN code.



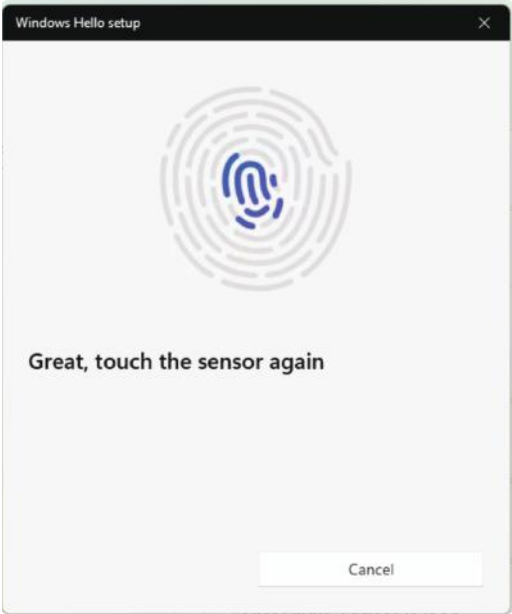
※Note: When deleting fingerprints registered to this device, deletion will only be possible on the PC where they were registered.

6. Setup Procedure (Continued)

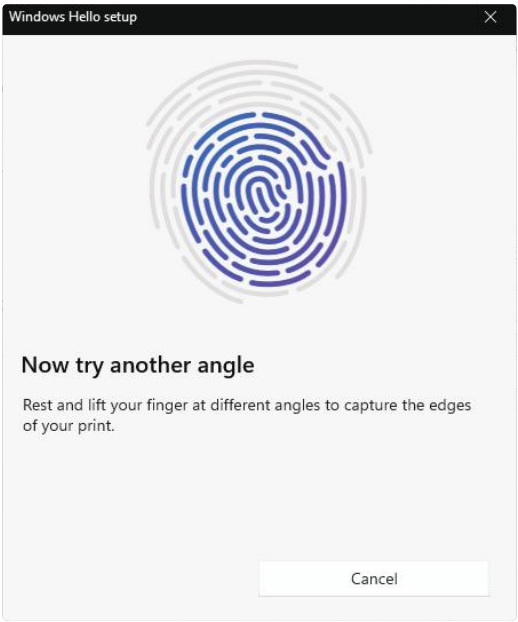
7. Fingerprint registration will begin. When "Touch the fingerprint sensor" is displayed, lightly touch the sensor area with the finger you want to register.



8. When "Great, touch the sensor again" is displayed, follow the on-screen instructions and continue touching the sensor repeatedly with the same finger.



9. When "Now try another angle" is displayed, click "Next" and touch the fingerprint sensor while changing the angle of your finger. After repeating the touches several times, fingerprint registration will be complete.



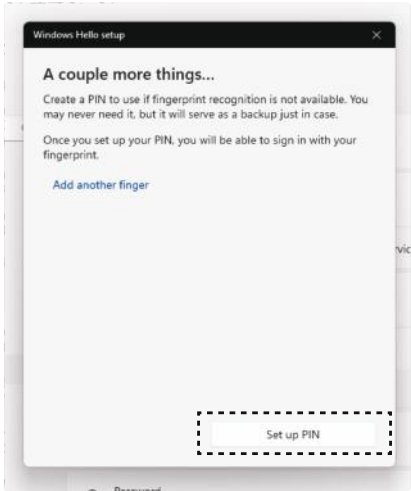
If You Already Have a PIN Created

10. To register additional fingers, click "Add another finger" and register the fingerprint of the finger you want to add. When registration is complete, click "Close" to finish.



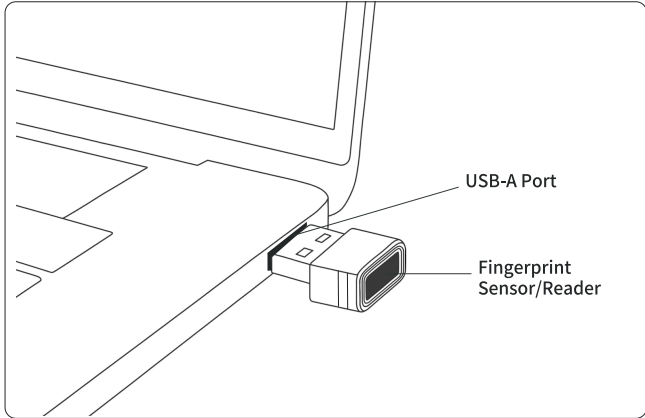
If You Have Not Created a PIN Yet

10. When fingerprint recognition is complete, "A couple more things..." will be displayed. To register additional fingers, click "Add another finger." Once you have finished registering the necessary fingers, click "Set up PIN" to create your PIN code.

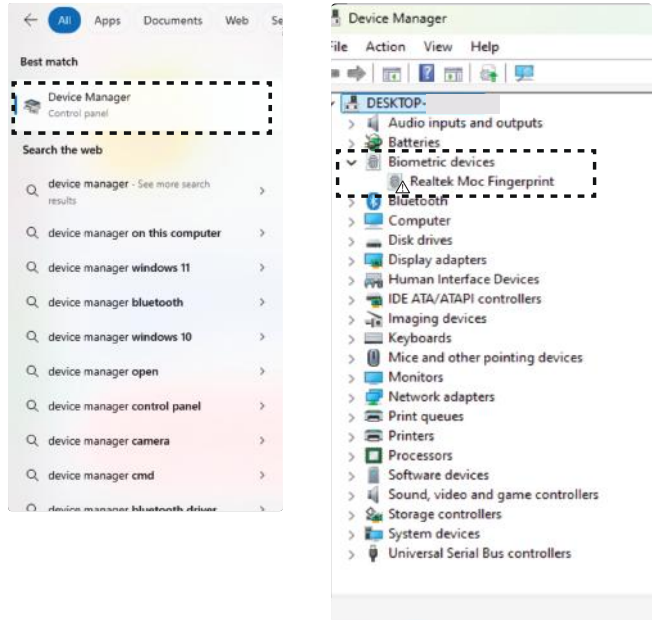


7. If Problems Occur During Setup

1. With your computer connected to the network, please connect this device to your computer's USB port.

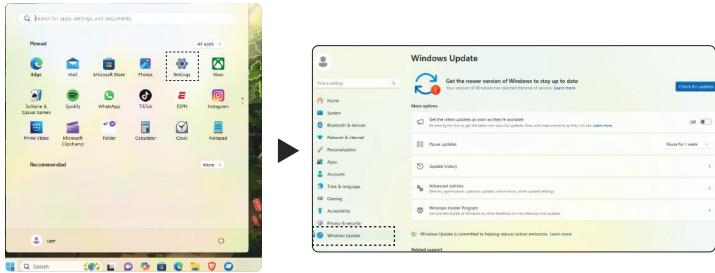


2. Open "Device Manager" and check the "Other devices" section.

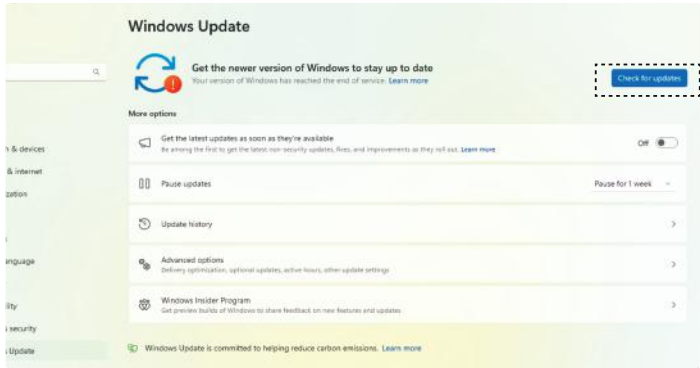


⚠ If a device shows an exclamation mark (warning mark), please try the following steps first.

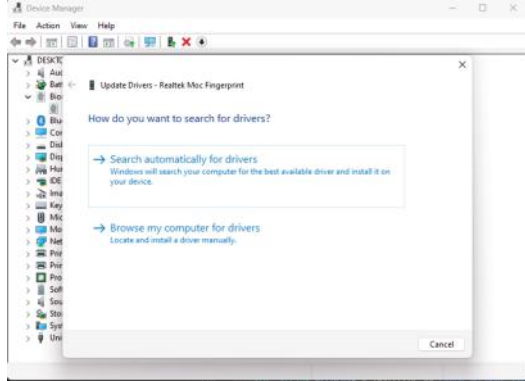
3. From "Start," go to "Settings," then select "Windows Update."



4. Click "Check for updates."



5. Click "Search automatically for drivers." The most appropriate driver for your computer will be automatically searched for and installed.



This completes the installation.

To Verify the Installation Was Completed Successfully

Open the Start menu and search for "Device Manager." When the Device Manager window opens, if the corresponding device does not show a warning icon (exclamation mark), the installation has been completed successfully.

