

A large, faint red shield watermark is centered in the background of the page.

VinCSS FIDO2[®] Touch 1 User Manual

■ Overview

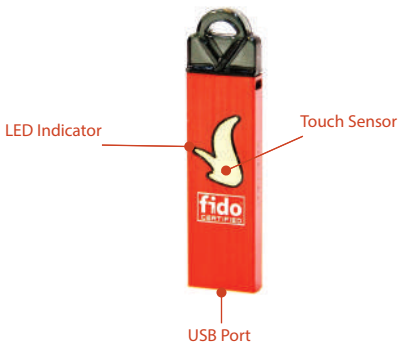
VinCSS FIDO2® Touch 1 security key is a FIDO2 certified authenticator. FIDO2 provides a passwordless way to authenticate users and addresses security, convenience, privacy, and scalability issues that passwords do not. The number of accounts that can be registered with the VinCSS FIDO2® Touch 1 security key is unlimited when using it for two-factor authentication. It is limited to 50 accounts for passwordless authentication.

VinCSS FIDO2® Touch 1 security key is not a USB storage, so there is no risk of malware infection. The authentication key only functions to authenticate user and does not store any other information, ensuring privacy.




VinCSS FIDO2® Touch 1 security key requires user to interact directly with the key so it cannot be remotely attacked, the key that applies the FIDO2 standard should protect users from phishing attacks on the internet, MITM (man-in-the-middle attacks), skimming, etc. The key's hardware is designed to protect the data in the authentication key from being tampered with.

■ Diagram

The VinCSS FIDO2® Touch 1 Security Key



Meaning of the LED indicator

LED indicator	Meaning	Definition
Solid red 	The security key is being connected to the device, not in the process of processing and interacting	User interacts with the device
Solid green 	The security key is being connected to the device, not in process and interaction	User does not interact with the device
Colorful flash 	The security key is being connected to the device, in process and requires user interaction	Request user to confirm by touching the yellow icon on the security key



Connect to Computer

- o Connect the VinCSS FIDO2® Touch 1 security key directly to the computer via the USB port



Connect your Security Key

- o The first step when connecting the security key is to set up the PIN. There are several available tools that can be used for set up security key listed below:

	Windows built-in Security Key Manager	Chrome built-in Security Key Manager
Functions	<ul style="list-style-type: none">- Set up/change the PIN of the security key- Reset security key	<ul style="list-style-type: none">- Set up/change the PIN of the security key- Reset security key- Managing sign-in data
Actions	<ul style="list-style-type: none">"Settings"=> "Accounts"=> "Sign-in options"=> "Security Key"	<ul style="list-style-type: none">"Chrome Settings"=> "Privacy and security"=> "Security"=> "Manage security keys"

Note: In the case of forgetting the PIN of the VinCSS FIDO2® Touch 1 security key, users can reset the key, but this will make the previously registered services unable to authenticate by using the key. After resetting, the device becomes a new security key, so services need to be re-registered to authenticate. In case the PIN code is entered incorrectly many times (more than 8 times), the device will be locked permanently, user will also be forced to reset to use the VinCSS FIDO2® Touch 1 security key as a new device.

■ Connection status table of the VinCSS FIDO2® Touch 1 security key



Note: Please keep updating to the latest operating system(s)/software for maximum compatibility.

CONNECTION FORM CONVERSION TABLE



Google Chrome / Microsoft Edge / Firefox

U2F

FIDO2

USB

USB



Support from
macOS version
10.15 and above



Support from iOS
version 13.3 and
above



Support from
Windows 8.1 version
and above



Support from
Android version 9
and above



CHROME

Support from chrome version 100.0.4896 and above



Support

EDGE

Support from Microsoft Edge version 93 and above



No support

FIREFOX

Support from Firefox 92 version and above

U2F

Multi-Factor Authentication




SAFARI

Support from Safari version 13 and above

FIDO2

Passwordless authentication

CONNECTION FORM CONVERSION TABLE

	 Safari	
	U2F	FIDO2
	USB	USB
 macOS Support from macOS version 10.15 and above	✓	✓
 iOS Support from iOS version 13.3 and above	✓	✓

CHROME	Support from chrome version 100.0.4896 and above
EDGE	Support from Microsoft Edge version 93 and above
FIREFOX	Support from Firefox 92 version and above
SAFARI	Support from Safari version 13 and above

✓	Support
✗	No support
U2F	Multi-Factor Authentication
FIDO2	Passwordless authentication

PROVISION YOUR SECURITY KEY WITH WEB SERVICES

The first step of using FIDO authentication is to register a security key for your account. To register a security key for your account, please follow the steps below:

Step 1: Authenticate you account as normal with PC and a WebAuthN supported browser.

Step 2: Go to account settings - login method - Set up security key.

Step 3: Connect the security key to the device via USB and follow the instruction messages displayed on the screen.

Note: Refer to the Connection form conversion table above to choose the most suitable for your device.

Step 4: Touch the sensor to demonstrate the user's presence when LED indicator blinks. The registration process will be completed in a moment.

AUTHENTICATE TO WEB SERVICES

After registration, users can authenticate to their account passwordlessly or as a strong second factor with the security key.

- o For **Passwordless Authentication:** user can click "**sign-in with security key**" in the sign in window, then follow the authentication instructions displayed on the screen.
- o For **Two Step Authentication:** users are required to type authentication with username and password as usual, then two step verification window will pop up, user follow the instructions shown on the screen to complete the authentication.

■ FAQ

Q: What to do when the VinCSS FIDO2® Touch 1 security key is lost?

A: In case of losing the VinCSS FIDO2® Touch 1 security key, you can use the backup methods registered during the first key registration process to log in to your account, and unlink the lost key. The backup methods can be one-time recovery code, SMS OTP or Authenticator applications on mobile devices.

Q: In case of losing the VinCSS FIDO2® Touch 1 security key, will the user lose his account?

A: When a The VinCSS FIDO2® Touch 1 security key is lost, the user will not lose an account, because this key does not contain all the information necessary for logging in.

Q: What services are currently available to support the VinCSS FIDO2® Touch 1 security key?

A: Most online services now support authentication with the VinCSS FIDO2® Touch 1, for example:

- Account Microsoft (Outlook, Office, Skype, OneDrive, Xbox Live, Bing...)
- Account Google (Drive, Google Cloud, Hangout, Gmail, Play, YouTube...)
- AWS Web Service
- Facebook
- GitHub
- Dropbox
- Salesforce
- Gitlab
- Jira

■ FAQ

- Q: Does using the VinCSS FIDO2® Touch 1 security key, which I often plug in from several computers, increase the danger of malware infection between computers?**
- A:** No, because the VinCSS FIDO2® Touch 1 security key is not a USB storage, there is no risk of malware infection.
- Q: Where will the VinCSS FIDO2® Touch 1 security key be guaranteed?**
- A:** Customers who purchase the authentication key can send product needed warranty through distributions, or send the products directly at the VinCSS center in Hanoi and Ho Chi Minh City.
- Q: Does using the VinCSS FIDO2® Touch 1 security key affect the policy of changing passwords within 90 days being applied at most companies today?**
- A:** VinCSS FIDO2® Touch 1 is designed not connected to centralized password storage service, so the password change policy does not affect the key.

SPECIFICATION

VinCSS FIDO2® Touch 1 security key

INFORMATION	DETAIL
Product name	VinCSS FIDO2® Touch 1
USB Type	USB Type-A
Encryption algorithm	ECC p256
Supported OS	Windows, macOS, Linux, Android, iOS
Authentication Methods	Passwordless, Strong Two Factor, Strong Multi-Factor
Certificate	FIDO2® Certified
Supported protocol	WebAuthn, FIDO2 CTAP1, FIDO2 CTAP2, Universal 2nd Factor (U2F)
Supported browser	Google Chrome, Mozilla Firefox, Apple Safari, Microsoft Edge, Microsoft Edge Chromium
Account storage	50

SPECIFICATION

VinCSS FIDO2® Touch 1 security key

INFORMATION	DETAIL
CPU	32-bit ARM® Cortex™-M4
Indicator lights	RGB Led
Protection	ESD Protection 15kV Air, 8kV Contact
Weight	15 gr
Material	Anti-oxidation anodized metal, plastic cap
Product dimensions	48.3 x 12.5 x 4.9 mm
Operation Temperatures	0°C to 55°C
Color	Black, red, yellow
Operation Voltage/Current	5V/1A
Make in	Vietnam

For further informations, please contact sales@vincss.net,
Or your service provider.



VinCSS - A member of FIDO ALLIANCE

The FIDO Alliance is an open industry association with a focused mission: Authentication standards to help reduce the world's over-reliance on passwords

VINCSS INTERNET SECURITY SERVICES JOINT STOCK COMPANY

- Floor 20A, Vincom Center Dong Khoi, 45A Ly Tu Trong street, Ben Nghe ward, District 1, Ho Chi Minh city
- Email: sales@vincss.net
- Website: <https://passwordless.vincss.net>

