# TRUSTKEY









## Why should you use G310?

2.3 billion

36%

Credentials stolen in 2017 alone Rise in phishing attacks in 2018

**51**%

Of passwords are reused across services



Of people have felt stressed or annoyed as a result of forgetting their password



Collectively spent by humans each day entering passwords

Source : FIDO Alliance

## Description

TrustKey Solutions\* G310 security key is a USB hardware token made for FIDO™ authentication using eWBM MS500\*\*, a powerful microprocessor with the extensive security features, and a fingerprint sensor with a world-leading fingerprint recognition algorithm.

Certified with the new FIDO2 standard, G310 provides the benefit of fast login and a strong protection against phishing, account takeover as well as many other online attacks. Simply plug G310 into a USB port according to the login procedure then touch the fingerprint sensor on the key to complete the login and access the account.

Moreover, G310 is compatible with all the major web browsers where WebAuthn is implemented, and works seamlessly on many online services like Google, Dropbox, Facebook, Twitter, GitHub and many more.

It is the world's first and only FIDO2 Level 2 security key.

## Platform · Environment

Supported OS	Windows, macOS, iPadOS, Linux, Android, Chrome OS, etc.
Supported Web Browser	Chrome, Edge, Firefox, Safari, whale, Brave
Supported OS for BioManager™	Windows 10, macOS 10.10.x or higher

## **Features**

- **Fast login without password** G310 allows users to login easily and securely without a password.
- Easy fingerprint enrollment
  G310 comes with the BioManager™, an intuitive fingerprint enrollment application.
- **No more fingerprint data breach** G310 stores the scanned fingerprint data encrypted in the secure storage area. The stored data can never leave the key, even during registration or authentication.
- FIDO2 Security Level 2 certified G310 is the world's first authentication device to achieve FIDO2 L2 security certification by satisfying secure operating environment requirement by the FIDO Alliance.
- Multiple client devices supported G310 is a roaming authenticator. It can be used in conjunction with more than one user device.

## Microsoft Azure AD support

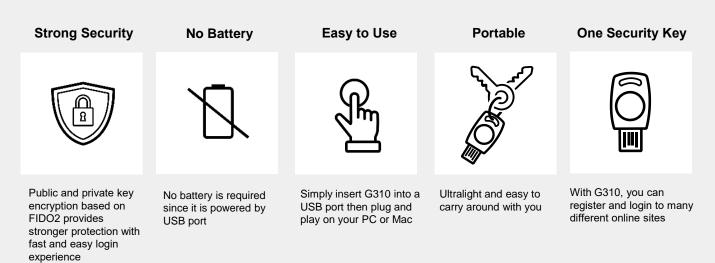
G310 fully supports Microsoft Azure AD. G310 can be used to sign into Azure joined Windows PC whether you are online or offline/airplane mode.

<sup>1</sup>eWBM MS500 : Security system-on-chip (SoC) developed and manufactured by the parent company, eWBM. For more information, please visit <u>www.trustkeysolutions.com</u>.



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# With G310, Get Secure, Easy Login Experience without a Password



## **Product Specifications**

FIDO Standard	FIDO2 , U2F
FIDO Certified Authenticator Level	Level 2
USB Type	Туре А
Fingerprint Resolution	160 x 160 pixel
Status Indicator	3 Color LED(Red, Green, Blue)
Device Type	FIDO2 HID device
FP Algorithm	Precise <sup>™</sup> Biometrics
Size	41.6 x 17.8 x 4.7 mm
Weight	3.1 g

## **Cryptography Algorithm List**

Confidentiality	AES-256
Hashing	SHA-256
Data Authentication	НМАС
Key Protection	GCM Mode, with fixed length 96 bit IVs
Signature	ECDSA, ECDH

## FIDO2 Level 2 Security Features

Secure Boot	
Secure Storage	

High-Speed TRNG(25Mbps): FIPS140-2 Compliant

Designed and manufactured in Korea

G310 is available now on a variety of operating systems and platforms that offer FIDO2 certification services.



Microsoft 🛠 Dropbox twitter facebook 💭 GitHub 🕬 🛛 LOGIN.GOV