

# eWBM Goldengate Security Key



## Why should you use Goldengate G310?

**2.3 billion**

Credentials stolen in 2017 alone

**36%**

Rise in phishing attacks in 2018

**51%**

Of passwords are reused across services

**62%**

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

**1,300 years**

Collectively spent by humans each day entering passwords

Source : FIDO Alliance

### Description

eWBM\* Goldengate 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.

### Platform · Environment

Supported Platform	Windows PC, Mac, Linux, Chromebook, Android etc.
Supported Web Browser	Google Chrome, Microsoft Edge, Mozilla Firefox, Apple Safari
Supported OS for Goldengate BioManager™	Windows 7, Windows 10, macOS 10.10.x or higher

### Features

- Fast login without password**  
 G310 allows users to log in easily and securely without a password.
- Easy fingerprint enrollment**  
 G310 comes with the Goldengate 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. The Goldengate security key can be used to sign into Azure joined Windows PC whether you are online or offline/airplane mode.

\*eWBM is a board member of FIDO Alliance.

\*\*MS500 : Security system-on-chip (SoC) developed by eWBM. For more information, please visit [www.ewbm.com](http://www.ewbm.com).



eWBM  
**Goldengate Security Key G310**

**With Goldengate G310,  
 Get Secure, Easy Login Experience without a Password**

**Strong Security**



Public and private key encryption based on FIDO2 provides stronger protection with fast and easy login experience

**No Battery**



No battery is required since it is powered by USB port

**Easy to Use**



Simply insert G310 into a USB port then plug and play on your PC or Mac

**Portable**



Ultralight and easy to carry around with you

**One Security Key**



With G310, you can register and login to many different online sites

**Product Specifications**

<b>FIDO Standard</b>	FIDO2 , U2F
<b>FIDO Certified Authenticator Level</b>	Level 2
<b>USB Type</b>	Type A
<b>Fingerprint Resolution</b>	160 x 160 pixel
<b>Status Indicator</b>	3 Color LED
<b>Device Type</b>	FIDO2 HID device
<b>FP Algorithm</b>	Precise™ Biometrics
<b>Size</b>	41.6 x 17.8 x 4.4 mm
<b>Weight</b>	3.1 g

Designed and manufactured in Korea

**Cryptography Algorithm List**

<b>Confidentiality</b>	AES-256
<b>Hashing</b>	SHA-256
<b>Data Authentication</b>	HMAC
<b>Key Protection</b>	GCM Mode, with fixed length 96 bit IVs
<b>Signature</b>	ECDSA, ECDH

**FIDO2 Level 2 Security Features**

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

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

