G450

eWBM
Goldengate Security Key

POINTBLANK®

Why should you use Goldengate G450?

2.3billion
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

1,300years
Collectively spent by humans each day entering passwords

Source : FIDO Alliance

Description

eWBM* Goldengate G450 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, G450 provides the benefit of fast login and a strong protection against phishing, account takeover as well as many other online attacks. Simply plug G450 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, G450 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 Platform	Windows PC, Mac, Linux, Chrome book, 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**
  G450 allows users to login easily and securely without a password.

- **Easy fingerprint enrollment**
  G450 comes with the Goldengate BioManager™, an intuitive fingerprint enrollment application.

- **No more fingerprint data breach**
  G450 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**
  G450 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**
  G450 is a roaming authenticator. It can be used in conjunction with more than one user device.

- **Microsoft Azure AD support**
  G450 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.

G450 eWBM Goldengate Security Key

fido CERTIFIED | FIDO2 L2 | U2F

With Goldengate G450,
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 G450 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 G450, you can register and login to many different online sites

Product Specifications

FIDO Standard	FIDO2 , U2F
FIDO Certified Authenticator Level	Level 2
USB Type	Type A
Fingerprint Resolution	160 x 160 pixel
Status Indicator	3 Color LED
Device Type	FIDO2 HID device
FP Algorithm	Precise™ Biometrics
Size	53.1 x 17 x 7 mm
Weight	6.6 g

Designed and manufactured in Korea

Cryptography Algorithm List

Confidentiality	AES-256
Hashing	SHA-256
Data Authentication	HMAC
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

Goldengate G450 is available now on a variety of operating systems and platforms that offer FIDO2 certification services.

Microsoft Edge | chrome | Firefox | Safari | Dropbox | Windows | LOGIN.GOV | GitHub | facebook | twitter | android