TRUSTKEY
G 320

Why should you use G320?

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

TrustKey Solutions G320 security key is a USB hardware token made for FIDO™ authentication using eWBM MS500[1], 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, G320 provides the benefit of fast login and a strong protection against phishing, account takeover as well as many other online attacks. Simply plug G320 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, G320 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**
  G320 allows users to login easily and securely without a password.

- **Easy fingerprint enrollment**
  G320 comes with the BioManager™, an intuitive fingerprint enrollment application.

- **No more fingerprint data breach**
  G320 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**
  G320 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**
  G320 is a roaming authenticator. It can be used in conjunction with more than one user device.

- **Microsoft Azure AD support**
  G320 fully supports Microsoft Azure AD. G320 can be used to sign into Azure joined Windows PC whether you are online or offline/airplane mode.

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

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With G320,
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 G320 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 G320, 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 C
Fingerprint Resolution	160 x 160 pixel
Status Indicator	3 Color LED(Red, Green, Blue)
Device Type	FIDO2 HID device
FP Algorithm	Precise™ Biometrics
Size	41.9 x 17.8 x 4.7 mm
Weight	3.1 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

G320 is available now on a variety of operating systems and platforms that offer FIDO2 certification services.

Microsoft Dropbox twitter facebook GitHub citrix Ready LOGIN.GOV