yubico

YubiKey 5 NFC

YubiKey 5 Nano

YubiKey 5C

YubiKey 5C Nano

YubiKey 5 Series: The Passwordless Key

Get strong multi-factor authentication that's easy to use and reduces IT costs—all from the trusted leader in modern enterprise authentication.

### Relying solely on username and password security puts enterprise data at risk

Catastrophic security breaches top world headlines every day, and for good reason. A single corporate security breach costs an average of $3.86M[1], and 81% of breaches are caused by stolen or weak passwords.[2] As a result, IT organizations can't rely exclusively on passwords to protect access to corporate data. They have to adopt stronger employee and customer authentication—or risk becoming the next target.

The YubiKey 5 Series security keys enable a passwordless future

The YubiKey 5 Series is a hardware based authentication solution that provides superior defense against phishing, eliminates account takeovers and enables compliance for strong authentication. The YubiKey offers strong authentication with support for multiple protocols, including FIDO2 the new standard enabling the replacement of weak password-based authentication. With the YubiKey, security is heightened by replacing passwords with strong hardware-based authentication using public key cryptography. And the YubiKey is easy to use, fast and reliable and is proven at scale to significantly reduce IT costs and eliminate account takeovers.

The YubiKey 5 Series security keys deliver expanded authentication options

- **Strong Single Factor—Passwordless:** Replaces weak passwords with passwordless login such as secure tap-n-go.
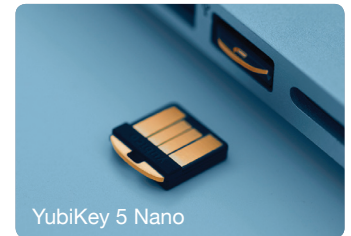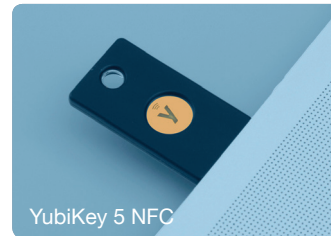
- **Strong Two Factor—Password + Authenticator:** Second factor with a touch for secure two factor authentication.

- **Strong Multi-Factor—Passwordless + PIN:** Multi-factor combining a hardware authenticator with user touch and a PIN, to solve high assurance requirements such as financial transactions, or submitting a prescription.

The YubiKey eliminates account takeovers

The YubiKey makes it easy to deploy strong, scalable multi-factor authentication that eliminates account takeovers from phishing attacks.

- Offers multiple authentication and cryptographic protocols including FIDO Universal 2nd Factor (U2F), FIDO2, Personal Identity Verification-compatible (PIV) Smart Card, and OpenPGP smart card to protect employee access to computers, networks, and online services with just one touch

- Works across major operating systems including Microsoft Windows, macOS, iOS, Android, and Linux, as well as leading browsers

- Available in a choice of four form factors that enable users to connect via USB or NFC

Since deploying the YubiKey Google experienced:

- Zero account takeovers
- 4x faster logins
- 92% fewer IT support calls

YubiKeys deployed in:

9 of the top 10 global technology companies

4 of the top 10 U.S. banks

2 of the top 3 global retailers

[1] 2018 Cost of Data Breach Study, Ponemon Institute Research Report   [2] 2017 Data Breach Investigations Report 10th Edition, Verizon

# YubiKey: Proven, easy-to-use security that's trusted by the world's leading companies

Secure enterprise authentication prevents account takeovers

The YubiKey stores the authentication secret on a secure element hardware chip. This secret is never transmitted and therefore cannot be copied or stolen.

Reduces IT costs

The YubiKey dramatically reduces the number one IT support cost—password resets—which cost Microsoft over $12M per month.[3]

By switching from mobile OTPs to YubiKeys, Google reduced password support incidents by 92% because YubiKeys are more reliable, faster, and easier to use.

SUPPORT INCIDENTS PER USER PER MONTH
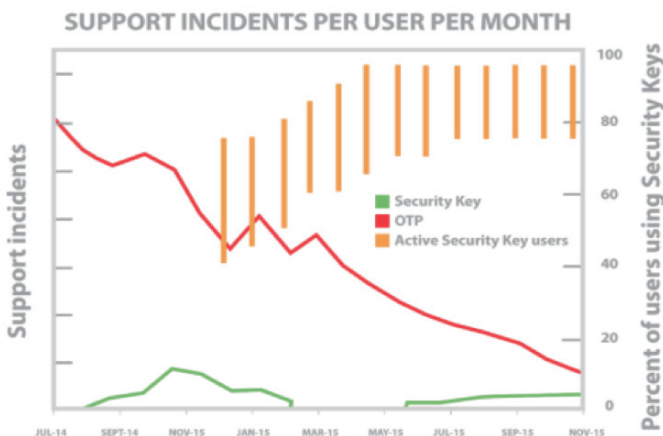
This graph illustrates how quickly Google reduced password support incidents after switching from OTP to YubiKey.[4]
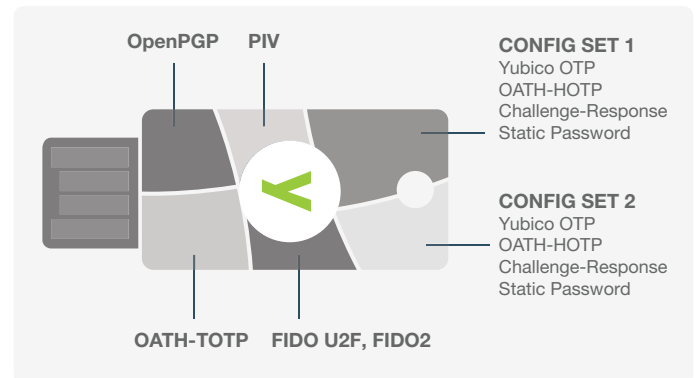
Easy to use, fast, and reliable

Users don't need to install anything—customers or employees simply register their own YubiKey, enter their username and password as usual, and plug in and tap the YubiKey when prompted. YubiKey hardware is reliable because it does not require a battery or network connectivity, so it's always on and accessible.

The YubiKey 5 NFC and YubiKey 5C fit conveniently on a keyring, while the YubiKey 5 Nano and YubiKey 5C Nano are designed to remain in the USB port. This ensures every YubiKey is easy to access and provides the same level of digital security.

Easy to deploy

IT can deploy YubiKeys in days, not months. A single key can work out-of-the-box with hundreds of systems, both cloud and on-premises. This eliminates the need for costly integrations or separate devices for each system.

OpenPGP   PIV

CONFIG SET 1
Yubico OTP
OATH-HOTP
Challenge-Response
Static Password

CONFIG SET 2
Yubico OTP
OATH-HOTP
Challenge-Response
Static Password

OATH-TOTP   FIDO U2F, FIDO2

YubiKey capabilities: These functions are included in the YubiKey 5 NFC, YubiKey 5C, YubiKey 5 Nano, and the YubiKey 5C Nano security keys. Technical specifications are available at yubico.com.

Trusted authentication leader

Yubico is the principal inventor of the FIDO2 and U2F authentication standards adopted by the FIDO alliance and is the first company to produce the U2F security key and a multiprotocol FIDO2 authenticator.

YubiKeys are produced in our offices in the USA and Sweden, maintaining security and quality control over the entire manufacturing process.

WATERPROOF   CRUSH RESISTANT   MADE IN US & SWEDEN

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[3] "Saying Goodbye to Passwords," Alex Simons, Manini Roy, Microsoft Ignite 2017 [4] Security Keys: Practical Cryptographic Second Factors for the Modern Web, Google Inc.