



YubiKey 5 CSPN Series

Ensure Strong Security and Compliance

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 \$4.24M,¹ and 61% 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 vendor authentication—or risk becoming the next target.

The YubiKey 5 CSPN Series eliminates account takeovers and makes it easy to deploy strong, scalable authentication and protects organizations from phishing attacks. The YubiKey is a hardware-based solution that:

- Offers multiple authentication and cryptographic protocols including FIDO2/WebAuthn, FIDO U2F, Personal Identity Verification-compatible (PIV) Smart Card, and Yubico One-Time Password (OTP) to protect employee access to computers, networks, and online services with just one touch
- Support passwordless secure login with smart card and FIDO2/WebAuthn authentication
- Works across major operating systems including Microsoft Windows, macOS, Android, and Linux, as well as leading browsers
- Available in a choice of six form factors that enable users to connect via USB-A, USB-C, NFC and Lightning



The YubiKey 5 CSPN Series is the first CSPN-certified FIDO2/WebAuthn, multi-protocol authenticator lineup. From left to right: YubiKey 5 NFC CSPN, YubiKey 5C NFC CSPN, YubiKey 5Ci CSPN, YubiKey 5C CSPN, YubiKey 5 Nano CSPN and YubiKey 5C Nano CSPN.

YubiKeys have protected Google employees since 2009

| | | | |
|-------------------|-------------------------|-----------------|------------------|
| 0 | 92% | 4x | 0 |
| account takeovers | fewer support incidents | faster to login | account lockouts |

YubiKey has been the trusted choice of Google, Facebook, and Salesforce since 2012

Delivers strong multi-factor authentication: The YubiKey combines hardware-based authentication and public key cryptography to ensure strong authentication and eliminate account takeovers. Capabilities include FIDO2/WebAuthn and FIDO U2F, open authentication standards supported by the FIDO Alliance, as well as Smart Card functionality based on the PIV interface specified in NIST SP 800-73.

Reduces IT costs: After evaluating data gathered from a deployment of more than 50,000 YubiKeys in 70 countries, Google found that the device's ease of use and reliability reduced password support incidents by 92%. This saves the company thousands of hours per year in support costs.³

Provides easy, fast, and reliable security for employees: YubiKey hardware is reliable because it does not require a battery or network connectivity, so it's always on and accessible. Authentication is fast with a simple touch that is four times faster than SMS and mobile two-factor authentication.

Phishing defense for secure enterprise authentication

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



YubiKeys deployed in:

9 of the top 10 global technology companies

4 of the top 10 U.S. banks

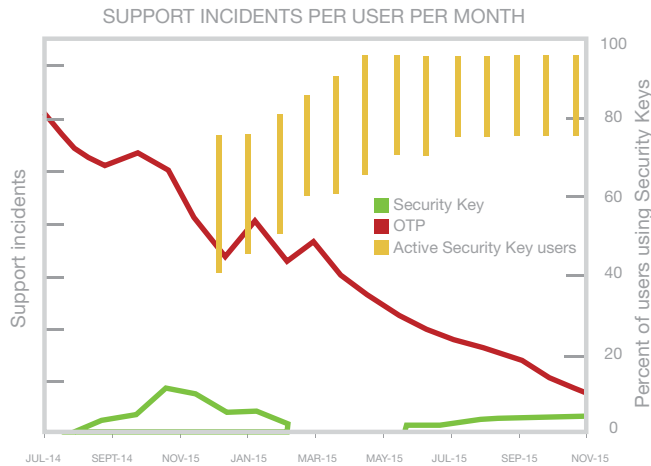
5 of the top 10 global retailers

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

Reduces IT costs

The YubiKey dramatically reduces the number one IT support cost—password resets—which cost Microsoft over \$12M per month.⁴

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



This graph illustrates how quickly Google reduced password support incidents after switching from OTP to YubiKey.⁵

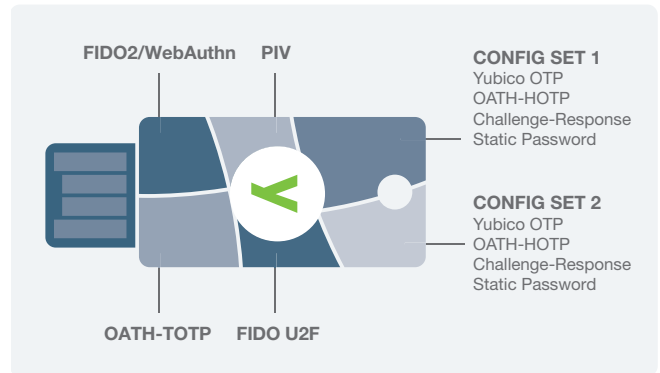
Easy to use, fast, and reliable

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.

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

Easy to deploy

IT can deploy YubiKeys in days, not months. A single key can access several modern and legacy systems, which eliminates the need for separate keys or extra integration work.



YubiKey capabilities: These functions are included in the YubiKey 5 NFC CSPN, YubiKey 5C NFC CSPN, YubiKey 5Ci CSPN, YubiKey 5C CSPN, YubiKey 5 Nano CSPN and YubiKey 5C Nano CSPN security keys.

Trusted authentication leader

Yubico is the principal inventor of the U2F authentication standard adopted by the FIDO alliance and was the first company to produce the U2F security key.

YubiKeys are deployed in nine of the top 10 global technology companies, four of the top 10 US banks, and two of the top three global retailers.

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



First Level Security Certification (CSPN) by ANSSI, and recognized by BSI.

Protect your organization with the CSPN-certified version of the industry-leading YubiKey multi-factor authentication solution. The YubiKey 5 CSPN Series enables the French/European government agencies and regulated industries to meet the stringent security and authentication standards per guidance issued by the French Network and Information Security Agency (ANSSI).

This lineup is also recognized by BSI, the federal cybersecurity authority in Germany. The BSI recognizes CSPN certification as meeting their strict security standards and is the equivalent of BSZ certification.

¹ 2021 Cost of Data Breach Report, IBM

² Verizon, 2021 Data Breach Investigations Report

³ Security Keys: Practical Cryptographic Second Factors for the Modern Web, Google Inc.

⁴ "Saying Goodbye to Passwords", Alex Simons, Manini Roy, Microsoft Ignite 2017

⁵ Security Keys: Practical Cryptographic Second Factors for the Modern Web, Google Inc.

About Yubico As the inventor of the YubiKey, Yubico makes secure login easy. As a leader in setting global standards for secure access to computers, mobile devices, and more, Yubico is also a creator and core contributor to the FIDO2, WebAuthn, and FIDO Universal 2nd Factor (U2F), and open authentication standards. For more information, please visit: www.yubico.com.

Yubico AB
Kungsgatan 44
2nd floor
SE-111 35 Stockholm
Sweden

Yubico Inc.
530 Lytton Avenue, Suite 301
Palo Alto, CA 94301 USA
844-205-6787 (toll free)
650-285-0088

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