



The Yubi Platform

Enabling rapid deployment of strong authentication

Username and Passwords Put 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, and 81% of breaches are caused by stolen or weak passwords. As a result, IT organizations cannot 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 Yubi Platform—

A Full Stack Foundation for Strong Security

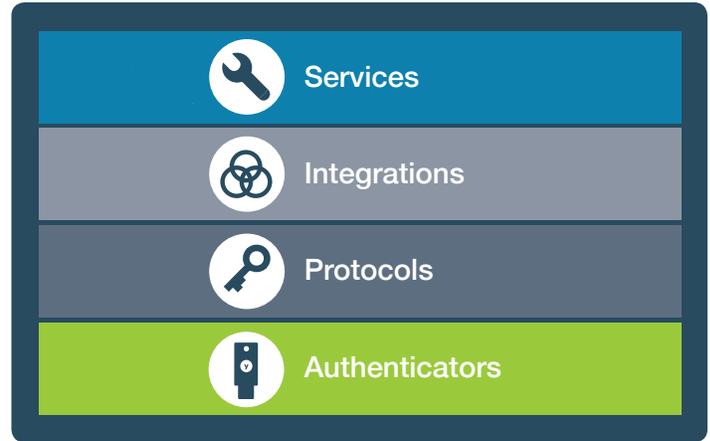
The Yubi Platform delivers a strong foundation that enables organizations to introduce modern authentication into their environment. The Yubi Platform is comprised of four key layers that enable rapid and effective deployment of strong authentication.

Authenticators

Hardware Security Keys Eliminate Account Takeovers

Hardware based authenticators provide superior defense against phishing, prevent man-in-the-middle attacks and enable compliance for strong authentication. Any software downloaded on a computer or phone is vulnerable to malware and hackers. The YubiKey is based on hardware with the authentication secret stored on a separate secure chip built into the YubiKey, so it cannot be copied or stolen. Hardware authenticators help organizations eliminate account takeovers and reduce risk from remote attacks and other breaches.

The YubiKey supports multiple protocols and offers expanded authentication options such as passwordless, strong two-factor authentication (2FA) and strong multi-factor authentication (MFA), and also enables encryption. And it is available in a



choice of form factors that enable users to connect via USB, NFC and coming soon—Lightning connector.

Protocols

A Future-Proofed Solution Delivers Strong Authentication at Scale

The YubiKey multi-protocol support streamlines authentication for existing systems while paving the way forward to a passwordless future. Centralized servers with stored credentials such as passwords can be breached. With the YubiKey, the data is encrypted with strong public key cryptography where only the public key is stored on the server, eliminating risks.

Organizations can leverage modern authentication protocols such as FIDO Universal 2nd Factor (U2F), and WebAuthn/ FIDO2 and U2F to enhance security and the user experience. The Yubikey also works with legacy Personal Identity Verification-compatible (PIV) Smart Card, and OpenPGP smart card, providing a path for organizations to bridge from existing enterprise systems to a passwordless future. The YubiKey also supports the YubiKey OATH and Time-based OTP (TOTP) and Hash-based OTP (HOTP) protocols.

The YubiHSM enables organizations to enjoy strong security for servers and computing devices with the world's smallest hardware security module. The YubiHSM enables the secure generation, storage and management of digital keys, and supports a wide range of existing and emerging use cases.



**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**

Integration

A Broad Ecosystem Enabled Through Rapid Integration of Strong Authentication

Yubico provides free and open source software to rapidly integrate YubiKey strong two-factor, multi-factor and passwordless authentication into any software or service. With the use of open source code and servers, and a wide array of developer tools such as SDKs, libraries and APIs, developers can quickly and easily integrate Yubico solutions with their services across Windows, macOS, Linux, iOS and Android. And, organizations can control their own cryptographic secrets. No passwords, keys, or PINS are shared with Yubico.

The YubiKey works with hundreds of services to secure user login, and makes it easy for only the rightful user to access their accounts.

With a single YubiKey a user can securely login to all of the needed business IT systems such as computers, VPN, single-sign-on systems, password managers, privileged access software, online services, developer tools, and card/credential management systems, and hundreds of services a user needs to access at work or at home.

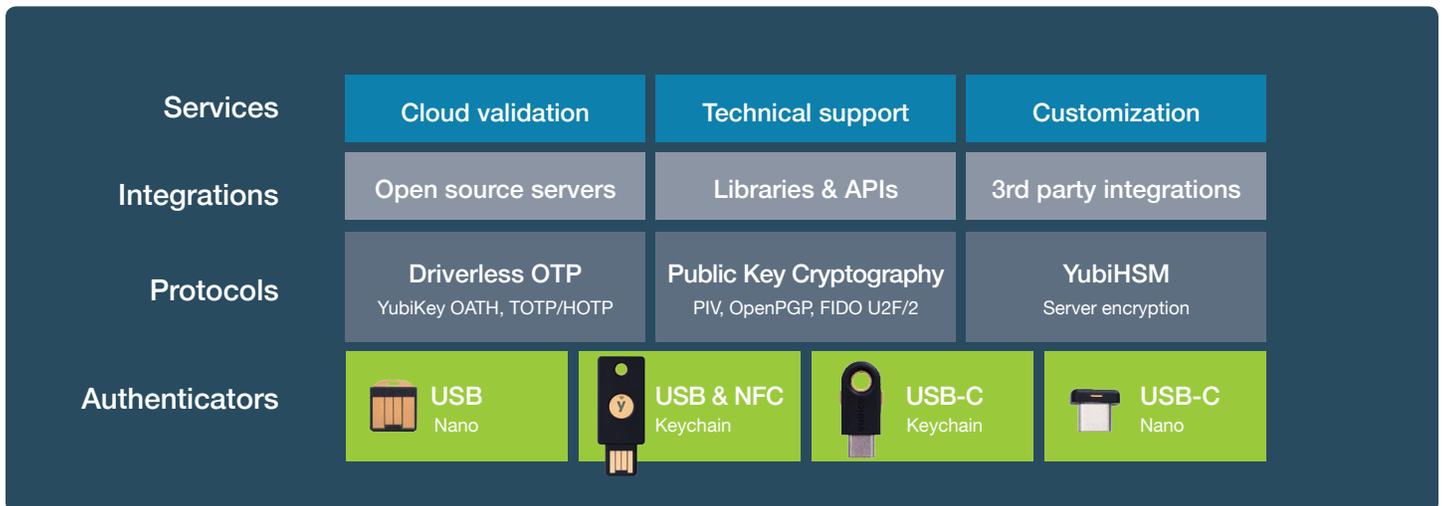
Services

Technical Support and Customization Services Deliver Modern Authentication

Organizations embarking on the journey to implementing modern and more secure approaches to authentication can rely on support and customization resources to optimize effectiveness and speed of deployment. The Works with YubiKey program also ensures that the YubiKey can work with hundreds of services right out of the box speeding up your journey to modern authentication.

Proven Security Leadership

The Yubi Platform delivers authentication capabilities that offers a superior user experience while maintaining strong security. Working across major operating systems including Microsoft Windows, macOS, iOS, Android, and Linux, as well as leading browsers, the Yubi Platform ensures support for the full range of modern devices and services users love to use for work and life. With a proven modern approach, organizations are now able to deliver strong authentication that is fast, easy and simple all while significantly reducing IT costs and eliminating account takeovers. The internet just got safer for everyone.



About Yubico Yubico sets new global standards for easy and secure access to computers, servers, and Internet accounts. Founded in 2007, Yubico is privately held with offices in Australia, Germany, Singapore, Sweden, UK, and USA. Learn why nine of the top 10 internet brands and millions of users in more than 160 countries use our technology at www.yubico.com.

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