



How a large corporation became FIDO-compliant and solved its endpoint security challenges with IDmelon and KSI keyboards.

A large corporation sought to fortify its cybersecurity stance and simplify user authentication processes across its divisions, including manufacturing, finance, HR, product development, and supply chain. The IT team had growing concerns about the inherent risks posed by outdated authentication methods and password use among staff. Unauthorized access to sensitive financial data and valuable intellectual property by bad actors on the inside were looming threats. Data breach was just a matter of time.

Challenges

Strengthen Security

Endpoint security needed to be bolstered with an advanced authentication method capable of safeguarding network access across divisions.

Simplify & Unify Authentication

Existing authentication methods were a complex patchwork of disparate systems and protocols that caused operational inefficiencies and made it difficult to enforce consistent security standards across the organization.

Scalability

The chosen solution had to be easily scalable to accommodate all divisions and future growth as the corporation expanded.

Ensure Compliance

The corporation needed to conform to data protection and privacy laws which demanded robust, compliant authentication measures be put in place.

Solution: A Comprehensive & Unified Authentication Approach

The joint solution chosen by the organization addressed the multitude of challenges presented by use of outdated technology and risky authentication methods.

KSI keyboards with integrated IDmelon BLE reader were deployed and used in conjunction with the IDmelon Authenticator app, allowing employees to leverage their smartphones as FIDO2 security keys for secure, contactless login via the keyboard.



KSI-1700 IB keyboard with integrated IDmelon Bluetooth reader



IDmelon Authenticator

Key Benefits and Outcomes

Reduced Reliance on Passwords – The FIDO-compliant solution significantly reduced the organization's password dependence, not only enhancing security but also resulting in cost savings associated with password-related IT support.

User-Friendly Login – Authentication became easier, with employees simply needing to tap their smartphones on the keyboard for quick and secure access.

Scalable Deployment – The solution was easily scaled across the entire organization and simplified IT administrative tasks, leading to increased operational efficiency.

Compliance – The solution ensured the corporation's compliance with privacy and data protection laws, which often mandate the adoption of FIDO-compliant devices to mitigate the risk of data breaches.

Insider Threat Mitigation – Elimination of passwords and use of FIDO-compliant devices reduced the risk of insider threats and breaches while providing enhanced protection of corporate and personal data.

By adopting the IDmelon + KSI solution, the corporation improved its cybersecurity posture while safeguarding internal data and complying with relevant regulation.