DATASHEET: DIGIPASS CX1

OneSpan

DIGIPASS CX1

Stop account takeover attacks and protect employees and partners with DIGIPASS CX1®. Eliminate passwords, enable faster logins, sign documents, store digital ID credentials securely, and enhance employee productivity. DIGIPASS CX1 is a FIPS-certified phishing-resistant authenticator that works out-of-the-box with hundreds of FIDO2 and OATH enabled services.

HIGHLIGHTS

User convenient and secure

Employees can work from anywhere, any time on any device

Passwordless biometric authentication eliminates password fatigue, reduces friction, and enables a positive user experience

Phishing-resistant authenticator mitigates human risk in social engineering attacks

Multi-protocol support and FIPS

Support for DIGIPASS, FIDO2, and OATH authentication protocol in a single device

FIPS 140 Level 3 certified cryptographic module

With DIGIPASS CX1, organizations can enable a 'work from anywhere, anytime, on any device' policy without weakening the organization's security posture. DIGIPASS CX1 offers the ideal multi-factor authentication solution to protect against social engineering, adversary-in-the-middle attacks and replay attacks, preventing account takeover and unauthorized access to company resources. With DIGIPASS CX1, OneSpan offers the highest assurance security and the best user experience, helping organizations to maintain productivity and the burden on IT, while simultaneously protecting their employees against phishing attacks and account takeovers.

Flexible authentication, document & transaction signing, and credential storage

DIGIPASS CX1 enables organizations to accelerate digital transformation, protect corporate resources, and authenticate users effortlessly. Users can complete any transaction, anywhere, anytime, via any channel, regardless of the device they prefer. The solution also enables organizations to streamline authentication and digital transactions to create an unparalleled user experience with a single DIGIPASS CX device. DIGIPASS CX1 is designed to fulfill different business needs, including authentication, transaction authorization, document signing, and digital ID credential storage. In addition, the solution supports multiple authentication methods – including FIDO2 and OATH - enabling organizations and integrators to secure applications and services using the appropriate protocol for each environment.

Mitigate account takeover, go passwordless

Digital transformation initiatives and the shift to hybrid work has expanded the potential attack surface for cybercriminals. Social engineering attacks are increasing both in volume and sophistication, bringing justified concerns for organizations on how to efficiently protect their workforce from credential theft and account takeover incidents.

Deploying passwordless authentication greatly enhances any organization's security posture and helps protect users and corporate resources from unauthorized access. DIGIPASS CX1 is a phishing-resistant authenticator that enables passwordless authentication. The device works in connected mode, so one-time passwords are never disclosed, but transferred via a secure channel in an encrypted manner. As there are no passwords to phish, the likelihood of being exposed to phishing schemes that rely on passwords, such as adversary-in-the-middle attacks, adversary-in-the-browser attacks, account takeover attacks, and replay attacks, is greatly reduced.

Create an unrivaled user experience

DIGIPASS CX1 enables passwordless authentication, which frees users from the burden of remembering usernames and passwords. A passwordless approach to authentication also greatly enhances the user experience. Employees and customers can access services simply by scanning their fingerprint.

HIGHLIGHTS

Cost-efficient solution

Eliminates password management

Reduce helpdesk costs associated with password resets

Future proof

Secure remote updates to support latest authentication standards

Easily adapt authentication flows as business context changes

Authentication, transaction verification, document signing, and digital ID credential storage in a single device

Organizations looking to deploy an authentication solution must also take the consistency of the user experience into consideration. DIGIPASS CX devices help organizations enforce the same security level and user experience across all types of devices.

DIGIPASS CX1 can connect to a user's device using USB, Bluetooth, or NFC, and can therefore work seamlessly with any device, including mobile, desktop, laptop, or tablet. This ensures a large user adoption.

Enhanced security and simplified lifecycle management

The solution comes with an integrated cloud management experience, that is securly connected to the DIGIPASS CX devices without relying on the security of the underlying transport layers. This ensures message authenticity, confidentiality, and replay resistance.

Organizations can manage the entire end-to-end lifecycle of the devices. This enables organizations to gain efficiencies through process automation when creating, configuring, updating, and disabling users and their privileges.

A flexible and futureproof solution

OneSpan has revolutionized hardware authentication with the remote update functionality of DIGIPASS CX Devices. Due to the smart connection between the device and console, secure remote updates can be installed on DIGIPASS CX devices even after they have been deployed and distributed. This gives organizations the flexibility to activate new features, customize user journeys, and adapt to changing situations and new risks by modifying configuration or security parameters as business needs evolve.

TECHNICAL SPECIFICATIONS	
Size	35mm (49.5 w/cable) (L) x 35(W) x 10.8mm(H)
Weight	11g
Fingerprint Sensor	FPC1523
Bluetooth	Bluetooth 5.2 LE (Low Energy)
NFC	ISO 14443 / card-emulation mode / extended APDU support
Battery	Rechargeable - 65 mAh
Cable	Integrated USB-C cable
Power Supply in Connected Mode	Via USB-C, 4.75 to 5.50 volts
Dust & Water Resistance	Dust-safe and splashproof

CERTIFICATION AND COMPLIANCE		
Short-term Storage Temperature	-10°C to 50°C 90% RH non-condensing	IEC60068-2-78 (damp heat) IEC60068-2-1 (cold)
Operating Temperature	0°C to 45°C 85% RH non-condensing	IEC60068-2-78 (damp heat) IEC60068-2-1 (cold)
Vibration	10 to 75 Hz 10 m/s²	IEC60068-2-6
Drop	1 meter	IEC60068-2-31
Emission		EN55022
Immunity	4 kV contact discharges 8 kV air discharges 3 V/m from 80 to 1000 MHz	EN55024
Compliant with European Directives	CE: 89/336/EEC or 2004/108/EC RoHS: 2002/95/EC WEEE: 2002/96/EC	
Compliant with Federal Communications Commission	FCC ID: 2AH88-1200 IC: 27700-1200	

About OneSpan

OneSpan, the digital agreements security company™, helps organizations accelerate digital transformations by enabling secure, compliant, and refreshingly easy customer agreements and transaction experiences. Organizations requiring high assurance security, including the integrity of end-users and the fidelity of transaction records behind every agreement, choose OneSpan to simplify and secure business processes with their partners and customers. Trusted by global blue-chip enterprises, including more than 60% of the world's largest 100 banks, OneSpan processes millions of digital agreements and billions of transactions in 100+ countries annually.

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