OneSpan

HIGHLIGHTS

Digipass 875 is a Bluetooth-enabled Smart card reader that enhances protection for any mobile transaction, including mobile banking, while delivering a transparent experience for users via instant Bluetooth connectivity from almost any device. Digipass 875 is both powerful and user-friendly, functioning as a sophisticated and secure PIN pad reader for two-factor authentication and electronic signing. The solution offers secure PIN entry features as well as intuitive "what you see is what you sign" user functionality.

DIGIPASS 875

Bluetooth® Smart-enabled smart card reader for smartphones and tablets delivers powerful and portable mobile transaction protection

Today, more and more users are turning to their smartphones and tablets to conduct online transactions, including online banking. This delivers the ultimate in user convenience, but unfortunately, also provides a new attack vector for hackers and new avenues for fraud. Sophisticated attacks, such as man-in-the-middle and man-in-the-browser, mimic legitimate e-transaction sessions, while capturing card data or other sensitive information. By combining a secure smart card reader with OneSpan Mobile Security Suite, OneSpan now delivers powerful, portable and flexible two-factor authentication and digital signing, providing enhanced protection for any mobile transaction.

Bluetooth provides ultimate convenience

OneSpan's Bluetooth smart devices create an immediate virtual secure connection between the authenticator and the mobile device, which means your mobile users don't need to perform any additional tasks – like entering a password or plugging in a USB cable - to gain secure access to online applications and conduct transactions from their mobile devices.

Strong mobile security

DIGIPASS 875 delivers security guarantees on both sides of every transaction. With a Bluetooth connection, encryption features and a passkey, DIGIPASS 875 improves security of the data, and further enhances the level of protection with a dedicated secured channel.

Comprehensive platform support

Digipass 875 is a perfectly portable, Bluetooth Smart-enabled smart card reader solution for the mobile user. When connected to any mobile device, Digipass 875 functions as a sophisticated and secure PIN pad reader for two-factor authentication and digital signing, offering secure PIN entry features and intuitive "what you see is what you sign" user functionality. Digipass 875 supports multiple smart card formats, including EMV, PKI or eID, and supports smartphones and tablets across multiple mobile platforms, including iOS, Android, MAC OS X, and Windows. Digipass 875 can also operate in connected (Bluetooth or USB) or unconnected modes, with the Bluetooth connection based on the new standard 4.0 Low Energy.

Simple deployment, installation and use

Bluetooth-enabled mobile or tablet devices need to be paired with Digipass 875 before they can securely exchange information. OneSpan makes this simple for the user by requiring one action upon first use to exchange protected pairing codes. This improves user acceptance and ensures that only authorized wireless devices can connect with Digipass 875. Digipass 875 uses a standard driver that is compatible with all popular operating systems, including Windows, Linux and MacOS. Leveraging the available CCID driver, Digipass 875 does not require the installation of a separate driver on most of the popular pc platforms.

Purpose-built for high value environments

Digipass 875 is perfectly suited for environments with high security requirements including PKI/digital signatures, secure PIN verification, corporate network access, two-factor authentication (online banking), and e-commerce transactions. Digipass 875 can also be delivered with a wide variety of applications including MasterCard CAP, Visa Dynamic Passcode Authentication, Sm@rt TAN, and other domestic and proprietary schemes.

Digipass 875 deployment options

PKI, e-wallet or e-banking applications can be exposed to Trojans or key loggers if they rely simply on static PIN entry for smart card transactions, making static PIN entry unacceptable from a security point of view. Digipass 875 addresses the security demands required for mobile transactions by delivering additional security guarantees on both sides of every transaction. With a Bluetooth connection, encryption features and a passkey, Digipass 875 improves security of the data, and further enhances the level of protection with a dedicated secured channel.

Connected mode (Bluetooth and usb)

Digipass 875 supports secure pairing methods for iOS, Android, Windows 8 and Blackberry and can communicate with multiple hosts. Digipass 875 provides the secure advantage of entering the PIN directly at the reader, and the PIN is never available on the device.

Unconnected mode

When used in unconnected stand-alone mode, Digipass 875 offers the same functionality as other Digipass unconnected smart card readers, including two-factor authentication and e-signatures. Without the smart card, Digipass 875 supports two-factor authentication with one-time passwords, and additionally transaction integrity with electronic signatures.

On demand firmware updates

As an option, Digipass 875 supports firmware updates on demand. The Digipass 875 firmware and application can be updated by issuer at any time, even after the card reader has been issued to the user, by making use of proven and standard cryptographic mechanisms.

PRODUCT SPECIFICATIONS	
OneSpan Class 4 reader	Connectable PIN pad reader with display
User interface	102 * 46 full dot matrix display Up to 6 lines, 120 characters
Smart Card interface	ISO7816, T=0, T=1 Frequency up to 4 Mhz Supports ISO 7816 Class A and B smart cards (in option) 10 000 smart card insertions Embossed smart card supported
Size	102 * 61,7 * 13 mm
Weight	<80 g
Keypad	Tactile keypad with silicon rubber key printed with an epoxy layer. Resistant to over 100,000 rubbings. 10 numeric keys and 6 function keys
Bluetooth	Standard 4.0 LE (Low Energy) Pairing methods: direct and reverse Multiple Host handling: Up to 10 Hosts with automatic selection Power distance: -18dBm to 0dBm in option Gatt profile and Service implementation Standard Service: Battery, Device Info, DK TAN Proprietary Service: Friendly Name, Card status notification
Replaceable Battery	2 replaceable batteries Expected lifetime 5 years (1)
Power supply in connected mode	Only in USB connected mode, in BLE connected mode power from batteries
Cable	1m long USB Detachable cable with type A connector
Operating systems	Bluetooth 4.0 LE (2): iOS 7+, Android 4.3+, Windows Phone 8, BB10, OS X 10.8, Windows 8 USB: Vista, Windows 7, Windows 8, Windows server, Linux, Mac OS 10.6 and above
Digipass algorithm	Digipass Time based OTP (AES) (3) Digipass e-signature (AES)
Standards	• Mastercard CAP (2004, 2007) • VISA dynamic passcode authentication version 1.1 • Banksys Unconnected reader specification (BKS M.010 version 1.3) • German Sm@rt TAN and Secoder 3G (4) • Belgian eID card • EMV2000 LEVEL 1 • USB 2.0 Full speed • PC/SC 2.01 • CCID
Logo Customization	Bank's logo can be printed on the reader. Color of the casing can also be customized.

COMPLIANCE SPECIFICATIONS

Short storage temperature	-10 ˚C to 50 ˚C; 90 %RH non-condensing IEC 60068-2-78 (Damp heat) IEC 60068-2-1 (Cold)
Operating temperature	0 ˚C to 45 ˚C; 85 %RH non-condensing IEC 60068-2-78 (Damp heat) IEC 60068-2-1 (Cold)
Vibration	10 to 75 Hz; 10 m/s2 IEC 60068-2-6
Drop	1 meter IEC 60068-2-31
Emission	EN 55022
Immunity	4 kV contact discharges 8 kV air discharges 3 V/m from 80 to 1000 MHz EN 61000-4-2 and EN 61000-4-3
Compliance to European directives (CE marking)	2004/108/EC (EMC directives) 2011/65/EU (RoHS directive) 2012/19/EU (WEEE directive)

1 Depending on the smartcard used and the transaction
2 Contact OneSpan for support availability date for different SDKs
3 Hardware option on demand
4 Contact OneSpan for support availability date

OneSpan enables financial institutions and other organizations to succeed by making bold advances in their digital transformation. We do this by establishing trust in people's identities, the devices they use, and the transactions that shape their lives. We believe that this is the foundation of enhanced business enablement and growth. More than 10,000 customers, including over half of the top 100 global banks, rely on OneSpan solutions to protect their most important relationships and business processes. From digital onboarding to fraud mitigation to workflow management, OneSpan's unified, open platform reduces costs, accelerates customer acquisition, and increases customer satisfaction.

CONTACT US
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